

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 5, 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 0.34” rain between 11/29 – 12/5 with 0.32” on 12/1 (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. 12/5/06	The new stone entrance reduces sediment tracking. Maintain and clean stone entrance as needed. 12/5/06	Not Applicable (NA)
Haddam Quarter Rd. To Foot Hills Rd.	Access road is in place off Haddam Quarter 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 returns. 12/5/06	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. 12/5/06	Add controls as needed when work returns.
	Mats are in place at the non-jurisdictional isolated wetland. 12/5/06	See erosion control section for more details. 12/5/06	NA
	Clear water was flowing from the access road off site. As traffic increases, more controls may be needed in this area. 12/5/06	See erosion control section for more details. 12/5/06	NA
	Access road and tracking	Sweep the roadway and	NA.

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Arbutus Street	pad are in place. Arbutus St was free of sediment. Catch Basin (CB) inlet protection looks good. 12/5/06	refresh stone as needed. Add to existing controls in CBs as necessary to accommodate drop inlets. 12/5/06	
Black Walnut Dr.	Access road is in place. Black Walnut Dr. was free of sediment CB inlet protection looks good. 12/5/06	Continue to sweep the roadway as needed. 12/5/06	NA.
	Stormwater controls have held up well. 12/5/06	See erosion control section. 12/5/06	NA
Black Pond	Access road and stone pad construction is complete. Route 66 is free of sediment tracking. 12/5/06	Monitor and maintain controls as needed. 12/5/06	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 12/5/06	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 12/5/06	NA.
	Carpenter Lane has some minor sediment along the gutter. 12/5/06	Continue to maintain Carpenter Lane as needed, including in the gutters by hand. 12/5/06	Continue to clean Carpenter Lane as needed.
	Haybales and silt fence along the new access drive above the wetland (east of Beseck) remain in good shape. 12/5/06	Monitor the controls and make sure storm water is being filtered appropriately. 12/5/06	NA
Contractor Receiving Yard and Storage Area	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 12/5/06	Maintain tracking pad and sweep roadway if needed. 12/5/06	NA
North of Contractor Yard Along Rte. 17	No sediment tracking noted on Rte. 17. 12/5/06	Continue to monitor Rte. 17 and sweep roadway as needed. 12/5/06	NA
Little Lane	Tracking pad was in place; No sediment tracking noted on the roadway. 12/5/06	Continue to sweep roadway as needed and monitor for any sediment issues on neighboring	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
		properties. 12/5/06	
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. 12/5/06 No foundations are being installed yet. Only clearing is occurring at this time. 12/5/06 Only clearing is occurring at this time 12/5/06 Two new foundation holes were drilled and foundations should be poured this week. 12/5/06 One foundation has been installed and several slurry containment areas were established. 12/5/06 Foundation drilling of two new holes is complete. 12/5/06 No new work has occurred this week. 12/5/06 Four temporary poles are in place. 12/5/06	None. 12/5/06 None 12/5/06 None 12/5/06 See dewatering section for more details. 12/5/06 Monitor erosion controls, and see dewatering section 12/5/06 Monitor and maintain controls. 12/5/06 Monitor controls. See dewatering section for more details. 12/5/06 None 12/5/06	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. 12/5/06 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 returns here. 11/21-12/5/06 Silt fence at the end of the	Continue to selectively cut vegetation in accordance with the D&M plan. 12/5/06 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. 11/21-12/5/06 Monitor silt fence and	NA Continue to evaluate; add controls if needed. NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls continued	<p>access road looks good. Run-off was filtering through this area. 12/5/06</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. 12/5/06</p>	<p>wetlands for sedimentation. None was observed at this time. 12/5/06</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 11/14-12/5/06</p>	<p>Needs evaluation, when applicable.</p>
Arbutus Street	<p>Silt fence remains in place around work areas. 12/5/06</p>	<p>Monitor controls and increase if needed. 12/5/06</p>	<p>NA</p>
Black Walnut Dr.	<p>Accumulated sediment is putting stress on a section of silt fence. 11/21-12/5/06</p>	<p>Clean sediment and maintain silt fence as needed. 11/21-12/5/06</p>	<p>Needs attention when feasible.</p>
Black Pond	<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. 11/21-12/5/06</p> <p>Small section of silt fence has fallen along the access drive. 12/5/06</p> <p>Some exposed areas had some grass growth prior to the cold weather. 12/5/06</p>	<p>Monitor controls. Slurry should be thinned or removed to retain the integrity of the controls. 11/21-12/5/06</p> <p>Re-staple fallen section of silt fence. 12/5/06</p> <p>Monitor areas and temporarily stabilize as needed. 12/5/06</p>	<p>Needs attention when feasible.</p> <p>Needs re-stapling when feasible.</p> <p>NA.</p>
ROW North of Beseck SS	<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. 12/5/06</p> <p>Silt fence was in place at work areas. No dewatering was required at this time. 12/5/06</p>	<p>Continue to monitor controls. 12/5/06</p> <p>Monitor silt fence during drilling and dewatering, if needed. 12/5/06</p>	<p>NA</p> <p>NA</p>

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Contractor Receiving Yard and Storage Area	<p>Sediment was noted in the sediment trap at the access road culvert. It was well contained. 12/5/06</p> <p>Silt fence around the site looks good. Silt fence should be extended to cover all drainage areas. Small section of silt fence has fallen near the pond west of the site. 11/28-12/5/06</p> <p>Soil stockpiles should be stored away from wetlands and catch basins onsite. 12/5/06</p>	<p>Continue to monitor and remove sediment if it start to accumulate. 12/5/06</p> <p>Maintain (and re-staple) silt fence along wetland buffer zone and extend around all drainage areas as needed. 11/28-12/5/06</p> <p>Stabilize stockpiles if they will be left for 14 days or more. 12/5/06</p>	<p>NA.</p> <p>Needs attention when feasible.</p> <p>NA</p>
North of Contractor Yard Along Rte. 17	<p>Slurry mud was spread and mostly dry over the site. Additional silt fence barriers remain in place. 12/5/06</p>	<p>Stabilize exposed areas and monitor for erosion. Sediment can be removed. See dewatering section. 12/5/06</p>	<p>NA.</p>
Little Lane	<p>A portion of the buffer zone to the west of the wetland was accidentally cleared. Contractors ceased work when they realized. Root stock, remaining vegetation, topography, and mulch protect the wetland. 12/5/06</p>	<p>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 12/5/06</p>	<p>Monitor and add controls as needed.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>Jurisdictional wetland areas and buffers will not be accessed until the ACOE permit is in hand. 12/5/06</p>	<p>Continue to monitor wetlands and erosion controls. 12/5/06</p>	<p>NA</p>
Haddam Quarter Rd. To Foot Hills Rd.	<p>Small isolated wetland finger was crossed using mats. Area does not appear to be jurisdictional. 12/5/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 12/5/06</p>	<p>Caution should be taken not to fuel or store equipment near wetlands. 12/5/06</p> <p>See erosion control section for more details. 12/5/06</p>	<p>NA</p> <p>Needs evaluation.</p>

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<p>Contractor Storage Yard</p> <p>Little Lane</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. 11/28-12/5/06</p> <p>Buffer zone impacts occurred accidentally and controls may be needed. 12/5/06</p>	<p>Evaluate whether this is a pre-existing condition (ie algal blooms, or other landowners.) Determine controls necessary and if this is project related. 11/28-12/5/06</p> <p>See erosion control section for more details. 12/5/06</p>	<p>Needs evaluation</p> <p>Continue to monitor this area.</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. 12/5/06</p> <p>Potential habitat for wood turtles is noted at Ball Brook in this section. 12/5/06</p>	<p>None. 12/5/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring. 12/5/06</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>North of Contractor Yard Along Rte. 17</p>	<p>Vegetative clearing is finished in this area until ACOE permits are obtained. 12/5/06</p> <p>Clearing is complete at this time. 12/5/06</p> <p>Clearing has ceased for now. 12/5/06</p> <p>Vegetation clearing is complete in this area until ACOE permits are obtained. 12/5/06</p> <p>A small pile of logs remains to be removed from site. Some grass cover has established. 12/5/06</p> <p>Only a small area has been cleared. 12/5/06</p>	<p>None. 12/5/06</p> <p>Continue to stabilize remaining exposed areas 12/5/06</p> <p>Continue to mulch and monitor exposed areas. 12/5/06</p> <p>Only a small area has been cleared. Continue to monitor controls and exposed areas 12/5/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. 12/5/06</p> <p>Monitor controls and stabilize disturbed areas. 12/5/06</p>	<p>Area is stable.</p> <p>NA</p> <p>NA</p> <p>NA.</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Little Lane	Clearing last week accidentally included a section of buffer zone. Most of the vegetation were invasive species and removed from the area. 12/5/06	12/5/06 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). 11/28-12/5/06	Evaluate and develop protection measures.
<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 drying. 12/5/06</p> <p>Slurry has been spread and is mostly dry. 12/5/06</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. 11/21-12/5/06</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-12/5/06</p> <p>Mud should removed or used onsite and stabilized as soon as possible. 12/5/06</p> <p>Monitor controls; remove or spread slurry to reduce the stress on existing controls. Stabilize exposed surfaces as soon as possible. 11/21-12/5/06</p>	<p>Dewatering is complete.</p> <p>Dewatering was contained.</p> <p>Needs attention when feasible</p>
Blasting	No blasting is proposed at this time. 12/5/06	None 12/5/06	NA
<p>Spills, soils and material storage</p> <p>Black Walnut Dr.</p>	<p>Spill controls move from site to site with the equipment. 12/5/06</p> <p>Concrete washout area is in place with fencing to protect the area. 12/5/06</p> <p>Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas.</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/5/06</p> <p>Maintain washout area with safety precautions. 12/5/06</p> <p>Continue to store materials away from resource areas.</p>	<p>NA</p> <p>NA</p> <p>NA</p>



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.



Erosion controls may need to be extended between the new access road and the pond off Haddam Quarter Rd. to prevent potential sedimentation, especially when work returns here.



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.



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.



Recently drilled hole in preparation for foundation installation in the ROW north of Beseck SS.



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.



Buffer zone clearing off Little Lane, view from the wetland towards the upland. Monitor and add controls if needed, however, root stock appears to stabilize the soil.



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