

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 29, 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: No precipitation was recorded between 1/17–1/29/07 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways East of Scovill Rock	No sediment tracking was noted on Freeman Rd. 1/29/07	The work noted to the east of Scovill station may not be M/N project related. 1/29/07	Not Applicable (NA)
Oxbow Junction	No sediment tracking was noted. 1/29/07	Maintain and clean stone entrance as needed. 1/29/07	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. 1/29/07	Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-1/29/07	NA
Arbutus Street	The CB controls appear to be working properly. No sediment was noted in the wetlands at the outlet. 1/29/07	Monitor access entrance and maintain CB controls when needed. Run-off is observed after larger rain events. 1/29/07	NA
	Small section of new access road is in place off Johnson Ln., Swamp mats are stockpiled. 1/29/07	Pull back stone from roadway as needed. Monitor controls. 1/29/07	NA
Black Walnut Dr;	Access roads and stone tracking pads are in	Sweep the roadways and refresh stone as needed.	NA

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Black Pond; and ROW, North of Beseck SS	place at the ROW entrance in each location. Associated roadways were free of sediment at this time. 1/29/07	Clean existing controls in CBs as necessary. 1/29/07	
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. 1/29/07	Maintain tracking pad and sweep roadway if needed. 1/29/07	NA
	Silt fence and fiber rolls remain in place along the access drive to prevent run-off. 1/29/07	Monitor and maintain new controls. See Erosion Control section. 1/29/07	NA
Little Lane	Stone access pads are in place; No sediment tracking noted on the roadway. 1/29/07	Continue to sweep roadway as needed and monitor for any sediment. 1/29/07	NA
	Access road connecting Little Ln. to Rte. 17 was in place. Access includes timber mats and a (temporary) culvert to cross a section of wetlands and small stream. An access road is also being installed moving west of Little Ln. 1/29/07	Monitor activities and add controls, as needed. Culverts are temporary and are will be restored at the completion of work. Frozen conditions are currently helping to stabilize the area. 1/29/07	Wetlands were being crossed appropriately (timber mats and a culvert).
Durham Rd.	Timber mats are being used to access construction pad sites within a wetland. 1/29/07	Clean/sweep Durham Rd. as needed. See erosion control section 1/29/07	Timber mats are being used for access within a wetland.
Powder Hill Rd.	Stone access road and pad construction east and west of Powder Hill Rd. continues; Timber mats are in place. Powder Hill Rd. was free of sediment. 1/29/07	Maintain controls and sweep Powder Hill Rd. as needed. 1/29/07	NA.
	Access road has been extended west through several small streams and wetlands using timber mats, stone, and culverts. Clear water was flowing through the stone.	Maintain/adjust controls as needed to filter water before it enters the adjacent pond and wetlands. Stone and culverts in streams are considered temporary	Appropriate measures are being used to cross streams and wetlands

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	1/29/07	and will be removed at the end of work. 1/29/07	
<p>Foundation and site construction</p> <p>East of Scovill Rock</p> <p>Haddam Quarter Rd. to Foot Hills Rd.; 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 and Little Lane</p> <p>Durham Rd.</p> <p>Powder Hill Rd.</p>	<p>Clearing and access were noted to reach a small construction pad area to the east of Scovill station. 1/29/07</p> <p>Only clearing is occurring at this time. 1/29/07</p> <p>A number of foundations are in place. 1/29/07</p> <p>No new work noted. 1/29/07</p> <p>A small pad site was cleared and accessed from a small wetland crossing. 1/29/07</p> <p>Road construction continues and several new construction pads were installed. 1/29/07</p> <p>Access road construction through wetlands underway. 1/29/07</p> <p>Access road construction continues. 1/29/07</p>	<p>Activities may not be M/N project related. There were no issues noted here. 1/29/07</p> <p>None. 1/29/07</p> <p>Concrete washout area was established and used. 1/29/07</p> <p>Monitor and add erosion controls as needed. 1/29/07</p> <p>Monitor and maintain controls and concrete washout areas. Monitor stream for turbidity and add controls as needed. 1/29/07</p> <p>Monitor and add controls as needed. 1/29/07</p> <p>Monitor and add controls as needed. 1/29/07</p> <p>Monitor and add controls as needed. 1/29/07</p>	<p>NA (may not be project related.)</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>Access road and pad site installed with minor stream crossing.</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 when work resumes here. 11/21/06-1/29/07</p> <p>No run-off was noted at this time but turbid run-off results after large</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. 11/21/06-1/29/07</p> <p>Resource areas are not affected but consider adding controls or</p>	<p>Continue to evaluate when work continues.</p> <p>NA</p>

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Arbutus Street	storm events. 1/29/07 Silt fence remains in place around work areas. 1/29/07	grading the access road to contain run-off. 1/29/07 Monitor controls and increase if needed. 1/29/07	NA
Black Walnut Dr.	Riprap trap and adjacent silt fence are in good shape 1/29/07	Continue to maintain controls. 1/29/07	NA
Black Pond	Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. Silt fence is in place along the access drive. The ground is frozen and temporarily stable. 1/29/07	Monitor controls. Continue to provide adequate containment for future dewatering, especially adjacent to sensitive areas such as wetlands. 1/29/07	NA
ROW North of Beseck SS	Controls above the wetlands on the road are in good condition. No dewatering has been required. 1/29/07	Monitor wetland and adjust controls as needed. 1/29/07	NA.
Contractor Receiving Yard and Storage Area	Silt fence and fiber rolls remain in place around the perimeter of the yard to reinforce existing controls where issues were noted last week. Controls were also in place along drainage areas/ swales as needed. 1/29/07	Continue to add, maintain, and monitor controls as necessary. 1/29/07	NA
	Exposed, inactive soil surfaces were also temporarily stabilized with hay. The ground is frozen and temporarily stable. 1/29/07	Continue to stabilize areas that will remain inactive. 1/29/07	NA
North of Contractor Yard Along Rte. 17	Timber mats and a culvert are in place at the wetlands and stream crossing. Silt fence has been installed down gradient of the timber mats within the wetland and below a drainage structure. 1/29/07	Monitor and maintain controls, adjust as needed. 1/29/07	Silt fence has been installed.

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Little Lane	<p>Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area. 1/29/07</p> <p>Silt fence was installed along the slopes down-gradient from pad sites moving west off Little Ln. 1/29/07</p>	<p>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 1/29/07</p> <p>Areas are currently stable. Controls should be monitored and adjusted as needed. 1/29/07</p>	<p>NA</p> <p>Silt fence installed proactively.</p>
Durham Rd.	<p>Wetland crossings were constructed in this section of ROW. 1/29/07</p>	<p>Erosion controls may be needed along the edges of the new access road if sedimentation is noted. 1/29/07</p>	<p>Needs to be monitored.</p>
Powder Hill Rd.	<p>Silt fence and timber mats installation continue along the access road west of the roadway. Haybales remain at low, saturated spots. Supports were added to the mats at low spots. Stone, culverts, and timber mats have been used to cross streams. Filter socks were installed for additional control downgradient of smaller stream crossings. Turbid flow was not observed. 1/29/07</p> <p>Silt fence is in place at the base of the construction pad. A small cleared area east of the roadway may need controls along a steep slope to prevent erosion. Existing vegetation and root masses currently stabilize the slope. 1/29/07</p>	<p>Controls should be monitored closely and maintained regularly. Adjust controls as necessary to prevent sediment from leaving the site or entering the pond. Stream crossings/culverts are temporary and will be removed at the end of the work. 1/29/07</p> <p>Monitor and add controls if needed along the slope. Watch for changes in run-off patterns that may affect neighboring properties. Controls should be added prior to the construction of the 2nd staging area located on this slope. 1/29/07</p>	<p>Filter socks were installed across smaller stream channels (proactively) as an additional control.</p> <p>Needs evaluation.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>ACOE permit is in hand. 1/22/07</p>	<p>Perform work in wetlands under the permitted guidelines. 1/29/07</p>	<p>NA</p>
Haddam Quarter Rd. To Foot Hills Rd.	<p>Sedimentation issues were not noted but additional controls may</p>	<p>Caution should be taken not to fuel or store equipment near any</p>	<p>NA</p>

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<p>Contractor Storage Yard</p> <p>ROW North of Beseck SS Durham Rd.; Little Lane</p> <p>Powder Hill Rd.</p>	<p>be needed to protect offsite and isolated wetlands when work resumes.. 1/29/07</p> <p>Controls have been added to protect off-site wetlands. Sediment appears to be settling out of the water column at the adjacent pond but ice cover made observation difficult. Previous sedimentation has been noted within the wetlands 1/29/07</p> <p>A number of wetland crossing (via timber mats) were noted. 1/29/07</p> <p>Timber mats are in place along an existing access road through a small section of wetlands. Several smaller streams have also been culverted. Water flowing off site was currently clear. 1/29/07</p>	<p>wetlands. 1/29/07</p> <p>See erosion controls section for more details. 1/29/07</p> <p>Monitor closely for sedimentation and add controls as needed. All crossings are temporary and will require restoration at the end of the work. 1/29/07</p> <p>Continue to monitor and add controls as needed. All crossings are temporary and will require restoration at the end of the work. 1/29/07</p>	<p>NA</p> <p>NA</p> <p>Wetlands crossings were constructed appropriately.</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. 1/29/07</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. 1/29/07</p>	<p>None. 1/29/07</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring. 1/29/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Vegetative clearing is inactive at Oxbow Junction, Haddam Quarter Rd, Arbutus St, and Black Pond. Now that ACOE permits have been obtained, clearing may resume in these</p>	<p>None. 1/29/07</p>	<p>Area is stable.</p>

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<p>ROW, North of Beseck SS</p> <p>Powder Hill Rd.; Little Lane; Durham Rd.</p>	<p>may resume in these areas. 1/29/07</p> <p>Most vegetation was cleared from this site, likely because of invasive species. 1/29/07</p> <p>Clearing continues for access road construction. 1/29/07</p>	<p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 1/29/07</p> <p>Retain species approved by the D&M plan wherever feasible 1/29/07</p>	<p>NA</p> <p>NA</p>
<p>Dewatering</p> <p>North of PAR Receiving Yard Along Rte. 17</p> <p>Black Pond</p>	<p>Ponded stormwater remains contained in the controls 1/29/07</p> <p>Dewatering controls in use at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. Silt fence was extended and clean water was noted leaving the silt fence above the wetlands. 1/29/07</p>	<p>Mud should be removed or used onsite and exposed soils stabilized as soon as possible. 1/22-1/29/07</p> <p>Monitor controls; and continue to stabilize exposed surfaces, including the spread slurry, as needed. 1/29/07</p>	<p>NA</p> <p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed. 1/29/07</p>	<p>None 1/29/07</p>	<p>NA</p>
<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. 1/29/07</p> <p>Some materials (structure components, equipment, etc.) are being stored here, well away from any wetland resource areas.</p> <p>Materials are being stored and structures staged in this area. Fuel tanks are in place on their stone spill control pad. Fire extinguishers and spill kits are located near the fuel tanks. 1/29/07</p> <p>All fuel nozzles on site</p>	<p>Always use spill control materials when working on equipment and during refueling 1/29/07</p> <p>Continue to store materials away from resource areas.</p> <p>Always use spill control materials when working on equipment and during refueling. Continue to locate hazardous materials and equipment away from wetlands when possible. 1/29/07</p> <p>Make sure all fuel nozzles</p>	<p>NA</p> <p>NA</p> <p>A stone pad is in place for spill control.</p> <p>Both nozzles were</p>

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<p>Black Pond and ROW, North of Beseck SS</p>	<p>were controlled, including portable containers on trucks. 1/29/07</p>	<p>are being properly stored after every use. 1/29/07</p>	<p>locked in holders.</p>
	<p>Trucks have been stored in a better location onsite to reduce proximity to wetlands or swales. 1/29/07</p>	<p>Continue to locate all machinery away from wetland resource areas and inlets such as culverts and CBs. Monitor and maintain equipment 1/29/07</p>	<p>Equipment remains stored in an appropriate location.</p>
	<p>A forklift was leaking fluid (oil) onto the ground and a number of small drips were observed while walking the site. Several drips were also noted on the stone pad at the refueling tanks. 1/22/07-1/29/07</p>	<p>Monitor and maintain leaking equipment as soon as possible to prevent leaks around the site. Spill controls should always be used when equipment is leaking, during refueling, and equipment maintenance. 1/22/07-1/29/07</p>	<p>Equipment needs attention (maintenance).</p>
	<p>Concrete washout areas are in place along the ROW as needed and old washouts are being cleaned and removed as work continues along the ROW. 1/29/07</p>	<p>Continue to use and maintain the designated washout areas. 1/29/07</p>	<p>NA</p>
<p>Additional Observations</p>	<p>Non-project related debris (cups, pizza boxes, etc.) was noted off Arbutus Street. 1/29/07</p>	<p>Monitor and clean debris when in the area. 1/29/07</p>	<p>Non-project related debris noted.</p>

Next likely scheduled inspection: Monday February 5, 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



New silt fence installed and staging area in place along the ROW off Little Ln. (to the west).



Access road and ROW off Arbutus Street. No run-off noted during the inspection.



Access road (timber mats) in place off Haddam Quarter Rd.



Silt fence, fiber rolls, and hay mulch have been added as a buffer around the perimeter of the contractor receiving yard.



Additional controls remain in place adjacent to wetlands to filter/contain any turbid run-off leaving the site.



Small stains/drips were noted around the contractor receiving yard including under a leaking forklift.



The fuel storage tanks remain in place on the new spill pad and nozzles are contained. Small drip stains were noted and are contained to the stone.



Timber mat installation off Durham Rd. Erosion controls may be needed.



Overview of the haybales, silt fence, and filter socks at Black Pond. Mulch remains in place around the site for increased stabilization.



Stone and culvert used to cross a small stream off Powder Hill Rd. No sediment was observed leaving the site. Original conditions will need to be restored when work is complete.



View of a timber mat crossing over a small stream in the wetlands located west of Powder Hill Rd. Filter socks were added for control of potentially turbid run-off. No sediment was noted leaving this area.



Timber mat installation for access west of Powder Hill Rd. The mats traverse wetlands, uplands, and small streams.