

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: February 5, 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 0.30” precipitation between 1/30–2/5/07, with 0.29” on 2/2/07 (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. 2/5/07	The work noted to the east of Scovill station may not be M/N project related. 2/5/07	Not Applicable (NA)
Oxbow Junction	No sediment tracking was noted. 2/5/07	Maintain and clean stone entrance as needed. 2/5/07	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. 2/5/07	Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-2/5/07	NA
Arbutus Street	The CB controls appear to be working properly. No sediment was noted in the wetlands at the outlet. 2/5/07	Monitor access entrance and maintain CB controls when needed. 2/5/07	NA
	Access road has been installed west of Arbutus Road including a timber mat section along the edge of a wetland. 2/5/07	Monitor controls and adjust as needed. 2/5/07	Timber mats used appropriately to cross wetlands.
	Small section of access	Pull back stone from	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Walnut Dr.; Black Pond; and ROW, North of Beseck SS</p>	<p>road installed off Johnson Ln., Swamp mats are stockpiled. 2/5/07</p> <p>Access roads and stone tracking pads are in place at the ROW entrance in each location. Associated roadways were free of project related sediment at this time. 2/5/07</p>	<p>roadway as needed. Monitor controls. 2/5/07</p> <p>Sweep the roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 2/5/07</p>	<p>NA</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. 2/5/07</p> <p>Silt fence and fiber rolls remain in place along the access drive to prevent run-off. 2/5/07</p>	<p>Maintain tracking pad and sweep roadway if needed. 2/5/07</p> <p>Monitor and maintain controls. See Erosion Control section. 2/5/07</p>	<p>NA</p> <p>NA</p>
<p>Little Lane</p>	<p>Stone access pads are in place; No sediment tracking noted on the roadway. 2/5/07</p> <p>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. Access road construction continues moving west of Little Ln. 2/5/07</p>	<p>Continue to sweep roadway as needed and monitor for any sediment. 2/5/07</p> <p>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. 2/5/07</p>	<p>NA</p> <p>Wetlands were being crossed appropriately (timber mats and a culvert).</p>
<p>Durham Rd.</p>	<p>Timber mats are being used to access construction pad sites within a wetland 2/5/07</p>	<p>Clean/sweep Durham Rd. as needed. See erosion control section 2/5/07</p>	<p>Timber mats are being used for access within a wetland.</p>
<p>Powder Hill Rd.</p>	<p>Stone access road and pad construction continues east and west of Powder Hill Rd; Timber mats are in place. Powder Hill Rd. was free of sediment 2/5/07</p>	<p>Maintain controls and sweep Powder Hill Rd. as needed. 2/5/07</p>	<p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Access road has been extended west to Beseck Mountain through several small streams and wetlands using timber mats, stone, and culverts. Clear water was flowing through the stone. 2/5/07</p>	<p>Maintain/adjust controls as needed to filter water before it enters the adjacent pond and wetlands. Stone and culverts in streams are considered temporary and will be removed at the end of work. 2/5/07</p>	<p>Appropriate measures are being used to cross streams and wetlands</p>
<p>Foundation and site construction East of Scovill Rock 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 and Little Lane Durham Rd. Powder Hill Rd.</p>	<p>Clearing and access were noted to reach a small construction pad area to the east of Scovill station. 2/5/07</p> <p>Only clearing is occurring at this time. 2/5/07</p> <p>New poles were being installed at two foundations during the inspection. 2/5/07</p> <p>No new work noted. 2/5/07</p> <p>A small pad site was cleared and accessed from a small wetland crossing. Site clearing and pad construction are underway. 2/5/07</p> <p>Road construction and pad construction were noted in the last few weeks. No new work or drilling this week. 2/5/07</p> <p>Access road construction through wetlands underway. 2/5/07</p> <p>Clearing, road, and pad construction/grading are occurring. 2/5/07</p>	<p>Activities may not be M/N project related. There were no issues noted here. 2/5/07</p> <p>None. 2/5/07</p> <p>None. 2/5/07</p> <p>None. 2/5/07</p> <p>Monitor and add controls as needed. 2/5/07</p>	<p>NA (may not be project related.)</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 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</p>	<p>More controls, i.e. mulch, check dams, silt fence, haybales, etc., may be needed to prevent erosion along the access road</p>	<p>Continue to evaluate when work continues.</p>

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Arbutus Street	<p>need to be extended to encompass more areas when work resumes here 11/21/06-2/5/07</p> <p>No run-off was noted at this time but turbid run-off results after large storm events. 2/5/07</p> <p>Silt fence remains intact at work areas and at the end of the access road, east of Arbutus 2/5/07</p>	<p>along the access road slopes and prevent sediment tracking onto Haddam Quarter Rd. 11/21/06-2/5/07</p> <p>Resource areas are not affected but consider adding controls or grading the access road to contain run-off. 2/5/07</p> <p>Monitor silt fence and wetlands for sediment. 2/5/07</p>	<p>NA</p> <p>NA</p>
Black Walnut Dr.	<p>Silt fence was installed along the timber mat access road west of Arbutus. 2/5/07</p> <p>Riprap trap and adjacent silt fence are in good shape. 2/5/07</p>	<p>Monitor controls and adjust as needed. 2/5/07</p> <p>Continue to maintain controls. 2/5/07</p>	<p>Silt fence was installed proactively.</p> <p>NA</p>
Black Pond	<p>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. 2/5/07</p>	<p>Monitor controls. Continue to provide adequate containment for future dewatering, especially adjacent to sensitive areas such as wetlands. 2/5/07</p>	<p>NA</p>
ROW North of Beseck SS	<p>Timber mats and silt fence are in place where access was needed through the wetland. 2/5/07</p>	<p>Monitor stream and wetland and adjust controls as needed. 2/5/07</p>	<p>NA</p>
Contractor Receiving Yard and Storage Area	<p>Controls adjacent to the wetlands along the road are in good condition. No dewatering has been required. 2/5/07</p>	<p>Continue to monitor controls. 2/5/07</p>	<p>NA</p>
	<p>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</p>	<p>Continue to add, maintain, and monitor controls as necessary. 2/5/07</p>	<p>NA</p>

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<p>North of Contractor Yard Along Rte. 17</p>	<p>Controls were also in place along drainage areas/ swales as needed. 2/5/07</p> <p>Exposed, inactive soil surfaces were also temporarily stabilized with hay. The ground is frozen and temporarily stable. 2/5/07</p> <p>Timber mats and a culvert are in place at the wetlands and stream crossing. Silt fence remains in place down-gradient of the timber mats within the wetland and below a drainage structure. 2/5/07</p>	<p>Continue to stabilize areas that will remain inactive. 2/5/07</p> <p>Monitor and maintain controls, adjust as needed. 2/5/07</p>	<p>NA</p> <p>NA.</p>
<p>Little Lane</p>	<p>Silt fence was in place along the slopes down-gradient from pad sites moving west off Little Ln. 2/5/07</p>	<p>Areas are currently stable. Controls should be monitored and adjusted as needed. 2/5/07</p>	<p>NA.</p>
<p>Durham Rd.</p>	<p>Wetland crossings were constructed in this section of ROW. 2/5/07</p>	<p>Erosion controls may be needed along the edges of the new access road if sedimentation is noted. Monitor surrounding wetlands closely. 2/5/07</p>	<p>Needs to be monitored</p>
<p>Powder Hill Rd.</p>	<p>Silt fence and timber mat installation continues along the access road west of the roadway. Haybales remain at low, saturated spots. Supports are in place at the low spots on the mats. 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. 2/5/07</p> <p>Silt fence is in place at the</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. 2/5/07</p> <p>Monitor and add controls</p>	<p>Filter socks were installed across smaller stream channels (proactively) as an additional control.</p> <p>Needs evaluation.</p>

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	<p>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. 2/5/07</p>	<p>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. 1/29-2/5/07</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>ROW North of Beseck SS Arbutus Rd.; Little Lane; Durham Rd.; Powder Hill Rd.</p> <p>Powder Hill Rd.</p>	<p>ACOE permit is in hand. 1/22/07</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite and isolated wetlands when work resumes. 2/5/07</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. 2/5/07</p> <p>A number of wetland crossing (via timber mats) were noted. 2/5/07 Access at Durham Rd reached a deeper area in the wetland that is difficult to cross. 2/5/07</p> <p>Several smaller streams have also been culverted. Water flowing off site was currently clear. 2/5/07</p>	<p>Perform work in wetlands under the permitted guidelines. 2/5/07</p> <p>Caution should be taken not to fuel or store equipment near any wetlands. 2/5/07</p> <p>See erosion controls section for more details. 2/5/07</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. 2/5/07</p> <p>Continue to monitor and add controls as needed. All crossings are temporary and will require restoration at the end of the work 2/5/07</p>	<p>NA</p> <p>NA</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. 2/5/07</p>	<p>None. 2/5/07</p>	<p>NA</p>

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	<p>Potential habitat for wood turtles exists at Ball Brook in this section. 2/5/07</p>	<p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring. 2/5/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>ROW, North of Beseck SS</p> <p>Powder Hill Rd.; Little Lane; Durham Rd.</p>	<p>Now that ACOE permits have been obtained, clearing continues in several sections 2/5/07</p> <p>Additional clearing was noted north of Beseck along the western edge of the ROW near the new staging area. Trees are cut, stacked, mulched or chipped and trucked off site. 2/5/07</p> <p>Clearing continues for access road construction. Pad grading was also occurring near Beseck Mountain. Slopes here were stabilized by frozen ground conditions. 2/5/07</p>	<p>In all areas, be aware of limits of clearing and stick to the specifications of the D&M plan 2/5/07</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 2/5/07</p> <p>Retain species approved by the D&M plan wherever feasible. Temporarily stabilize exposed soil as necessary. 2/5/07</p>	<p>NA.</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 2/5/07</p> <p>Dewatering at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. Clean water was noted leaving the silt fence above the wetlands and the area has not been actively used in weeks. 2/5/07</p>	<p>Mud should be removed or used onsite and exposed soils stabilized as soon as possible 11/7/06-2/5/07</p> <p>Monitor controls; and continue to stabilize exposed surfaces, including the spread slurry, as needed. 2/5/07</p>	<p>NA</p> <p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed. 2/5/07</p>	<p>None 2/5/07</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill controls move from site to site with the equipment. 2/5/07</p>	<p>Always use spill control materials when working on equipment and during refueling 2/5/07</p>	<p>NA</p>

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<p>Black Walnut Dr.</p> <p>Contractor Receiving Yard and Staging Area</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. 2/5/07</p> <p>All fuel nozzles on site were controlled, including portable containers on trucks. 2/5/07</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. 1/22/07-2/5/07</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 inlets such as culverts and CBs. when possible 2/5/07</p> <p>Make sure all fuel nozzles are being properly stored after every use. 2/5/07</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. 2/5/07</p>	<p>NA</p> <p>A stone pad is in place for spill control</p> <p>Nozzles were controlled</p> <p>Equipment needs immediate attention (maintenance).</p>
<p>Powder Hill Rd.</p>	<p>A piece of equipment on the ROW was leaking. A spill pad was in place but was not adequate to contain the leak. 2/5/07</p>	<p>Add more controls under the equipment to fully contain the leak and repair soon as possible. Remove affected soil as feasible. Keep this machine out of sensitive areas. 2/5/07</p>	<p>Equipment needs immediate attention (maintenance).</p>
<p>All active areas.</p>	<p>Concrete washout areas have not been necessary as drilling and foundation work is not as active. 2/5/07</p>	<p>Provide appropriate containment for washouts when work resumes. 2/5/07</p>	<p>NA</p>
<p>Additional Observations</p>	<p>Non-project related debris (cups, pizza boxes, etc.) was noted off Arbutus Street. 2/5/07</p>	<p>Monitor and clean debris when in the area. 2/5/07</p>	<p>Non-project related debris noted.</p>

**Next likely scheduled
inspection:**

Monday February 12, 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)



Timber mats in place for access west of Arbutus Street. No run-off was noted during the inspection.



View of access road (timber mats in place) off Haddam Quarter Rd.



Silt fence, fiber rolls, and hay mulch are in place as a buffer around the perimeter of the contractor receiving yard.



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



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



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



Timber mats are in place off Durham Rd. Add erosion controls if necessary; continue to monitor.



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



Leaking equipment was noted off Powder Hill Rd. A spill pad was in place but was not adequate to contain the drips. Add more controls and repair equipment as soon as possible. Do not use this machine near wetlands.



View of a timber mat crossing on a small stream in the wetlands located west of Powder Hill Rd. Filter socks were added as proactive control. No sediment issues were noted in this area.



Timber mats in place for access west of Powder Hill Rd. Mats traverse wetlands, uplands, and small streams.