

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 22, 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 0.22” rain between 1/16–1/22/07 with 0.21” recorded on 1/18 (NOAA data at Meriden, CT).

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|---|--|
| Access roads and adjacent roadways | | | |
| Oxbow Junction | No sediment tracking was noted. 1/22/07 | Maintain and clean stone entrance as needed. 1/22/07 | 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. 1/22/07 | Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-1/22/07 | NA |
| | After larger storm events, turbid run-off ponds and flows off-site from the access road. Clear run-off was noted this week 1/22/07 | Although run-off was not reaching resource areas, consider extending controls or re-grade or berm the access road. 1/22/07 | Needs evaluation when feasible. |
| Arbutus Street | The CB controls appear to be working properly. No sediment was noted in the wetlands at the outlet. 1/22/07 | Monitor access entrance and maintain CB controls when needed. Run-off is observed after larger rain events. 1/22/07 | NA |
| | Small section of new access road is in place off Johnson Ln., Swamp mats are stockpiled. | Pull back stone from roadway as needed. Monitor controls. 1/22/07 | NA |

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|--|---|--|---|
| Black Walnut Dr. | 1/22/07 Access road and tracking pad are in place. Road was free of sediment. 1/22/07 | Sweep the roadway and refresh stone as needed. Clean existing controls in CBs as necessary. 1/22/07 | NA |
| Black Pond | Stone pad is in place, Route 66 was free of sediment. 1/22/07 | Monitor and maintain controls as needed. See erosion control section for more detail. 1/22/07 | NA. |
| ROW, North of Beseck SS | Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 1/22/07 | Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors should cooperate to maintain Carpenter Lane. 1/22/07 | NA |
| | Carpenter Lane was clear; following improvements to the site last week, no water was observed leaving the stone exit pad. 1/22/07 | Gutters should continue to be swept by hand as needed to remove sediment. 1/22/07 | Run-off is contained to the site. |
| 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. 1/22/07 | Maintain tracking pad and sweep roadway if needed. 1/22/07 | NA |
| | Silt fence and fiber rolls remain in place along the access drive to prevent run-off. 1/22/07 | Monitor and maintain new controls. See Erosion Control section. 1/22/07 | NA. |
| Little Lane | Stone access pads are in place; No sediment tracking noted on the roadway. 1/22/07 | Continue to sweep roadway as needed and monitor for any sediment. 1/22/07 | NA |
| | Access road construction was underway, connecting Little Ln. to Rte. 17. Access includes timber mats and a culvert to cross a section of wetlands and small stream. 1/22/07 | Monitor activities and add controls, as needed, to prevent sediment from leaving the site. 1/22/07 | Wetlands were being crossing appropriately. |
| Powder Hill Rd. | Stone access road and pad construction continues east and west | Maintain controls and sweep Powder Hill Rd. as needed. 1/22/07 | NA |

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|---|---|--|--|
| | <p>of Powder Hill Rd.; Timber mats are in place. Powder Hill Rd. was free of sediment. 1/22/07</p> <p>Timber mats were being added as access road construction is permitted to continue across the wetland. Supports were added to areas where timber mats were sinking. The stream will be crossed in the coming week. 1/22/07</p> | <p>Maintain/adjust controls at this low section as work continues in this area. 1/22/07</p> <p>Caution should be taken to minimize impacts to the stream. 1/22/07</p> | <p>Supports were added to the sinking section of timber mats.</p> |
| <p>Foundation and site construction</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</p> <p>Little Lane</p> <p>Powder Hill Rd.</p> | <p>Only clearing is occurring at this time. 1/22/07</p> <p>A number of foundations are in place. 1/22/07</p> <p>No new work noted. 1/22/07</p> <p>Foundation drilling is almost complete in the area. No new work noted. 1/22/07</p> <p>No new work has occurred in this area for several weeks. 1/22/07</p> <p>New access road construction was noted. 1/22/07</p> <p>Access road construction continues, Another pad is proposed for pole construction. 1/22/07</p> | <p>None. 1/22/07</p> <p>Concrete washout area was established and used. 1/22/07</p> <p>Monitor and add erosion controls as needed 1/22/07</p> <p>Monitor and maintain controls and concrete washout areas 1/22/07</p> <p>Monitor controls. See dewatering section for more details 1/22/07</p> <p>None 1/22/07</p> <p>See erosion control section. 1/22/07</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>Haybales were in place along the access road entrance near the pond. Erosion controls may still need to be extended to encompass more areas</p> | <p>More controls, i.e. mulch, check dams, silt fence, haybales, etc., may be needed to prevent erosion along the access road edges and prevent</p> | <p>Continue to evaluate when work continues.</p> |

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| Arbutus Street | <p>encompass more areas, especially when work resumes here. 11/21/06-1/22/07</p> <p>Clear run-off was noted at this time but turbid run-off results after large storm events. 1/22/07</p> <p>Silt fence remains in place around work areas. 1/22/07</p> | <p>slopes and prevent sediment tracking onto Haddam Quarter Rd. 11/21/06-1/22/07</p> <p>Resource areas are not affected but consider adding controls or grading the access road to contain run-off. 1/22/07</p> <p>Monitor controls and increase if needed. 1/22/07</p> | <p>Needs evaluation when feasible</p> <p>NA</p> |
| Black Walnut Dr. | <p>Riprap trap and adjacent silt fence are in good shape. 1/22/07</p> | <p>Continue to maintain controls. 1/22/07</p> | <p>NA.</p> |
| Black Pond | <p>Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. Clean water was observed filtering through the controls. 1/22/07</p> | <p>Monitor controls. Continue to provide adequate containment for future dewatering, especially adjacent to sensitive areas such as wetlands. 1/22/07</p> | <p>NA.</p> |
| ROW North of Beseck SS | <p>Silt fence is in place along the access drive. 1/22/07</p> <p>Controls above the wetlands on the road are in good condition. No dewatering has been required. 1/22/07</p> | <p>Continue to monitor and adjust controls as needed. 1/22/07</p> <p>Continue to monitor controls. 1/22/07</p> | <p>NA</p> <p>NA</p> |
| Contractor Receiving Yard and Storage Area | <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 added along drainage areas/swales as needed. 1/22/07</p> <p>Exposed, inactive soil surfaces were also temporarily stabilized with hay. 1/22/07</p> | <p>Continue to add, maintain, and monitor controls as necessary. 1/22/07</p> <p>Continue to stabilize areas that will remain inactive. 1/22/07</p> | <p>Silt fence and fiber rolls were added around the site to filter/contain run-off.</p> <p>Mulch was added to some areas around site</p> |
| North of Contractor Yard | <p>Clear water was ponding</p> | <p>Continue to stabilize</p> | <p>NA</p> |

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| <p>Little Lane and Powder Hill Rd.</p> | <p>species. 1/22/07</p> <p>Clearing resumed for access road construction. 1/22/07</p> | <p>Retain vegetation when ever possible. 1/22/07</p> <p>Retain species approved by the D&M plan wherever feasible.1/22/07</p> | <p>NA</p> |
| <p>Dewatering North of PAR Receiving Yard Along Rte. 17</p> <p>Black Pond</p> | <p>Ponded stormwater remains contained in the controls 1/22/07</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. 1/22/07</p> | <p>Mud should be removed or used onsite and exposed soils stabilized as soon as possible. 1/22/07</p> <p>Monitor controls; and continue to stabilize exposed surfaces, including the spread slurry, as needed. 1/22/07</p> | <p>NA</p> <p>NA</p> |
| <p>Blasting</p> | <p>No blasting is proposed. 1/22/07</p> | <p>None 1/22/07</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. 1/22/07</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. 1/22/07</p> <p>All fuel nozzles on site were controlled, including portable containers on trucks. 1/22/07</p> <p>Trucks have been stored in a better location onsite to reduce proximity to</p> | <p>Always use spill control materials when working on equipment and during refueling 1/22/07</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. 1/22/07</p> <p>Make sure all fuel nozzles are being properly stored after every use. 1/22/07</p> <p>Continue to locate all machinery away from wetland resource areas</p> | <p>NA</p> <p>NA</p> <p>A stone pad is in place for spill control..</p> <p>Both nozzles were using controls.</p> <p>Equipment remains stored in an appropriate location.</p> |

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| <p>Black Pond and ROW, North of Beseck SS</p> | <p>wetlands or swales. 1/22/07</p> <p>A forklift was dripping fluid (oil) onto the ground and several small drops were observed while walking the site. This included one on the stone pad at the refueling tanks. 1/22/07</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. 1/22/07</p> | <p>and inlets such as culverts and CBs. Monitor and maintain equipment. 1/22/07</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</p> <p>Continue to use and maintain the designated washout areas. 1/22/07</p> | <p>Equipment needs attention (maintenance).</p> <p>NA</p> |
| <p>Additional Observations</p> | <p>Non-project related debris (cups, cardboard, etc.) was noted off Arbutus Street. 1/22/07</p> | <p>Noted for record. 1/22/07</p> | <p>NA.</p> |

Next likely scheduled inspection: Monday January 29, 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



Riprap sediment trap and silt fence along the access road off Black Walnut Drive remains clear of sediment and controls are intact.



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



Access road off Haddam Quarter Rd.



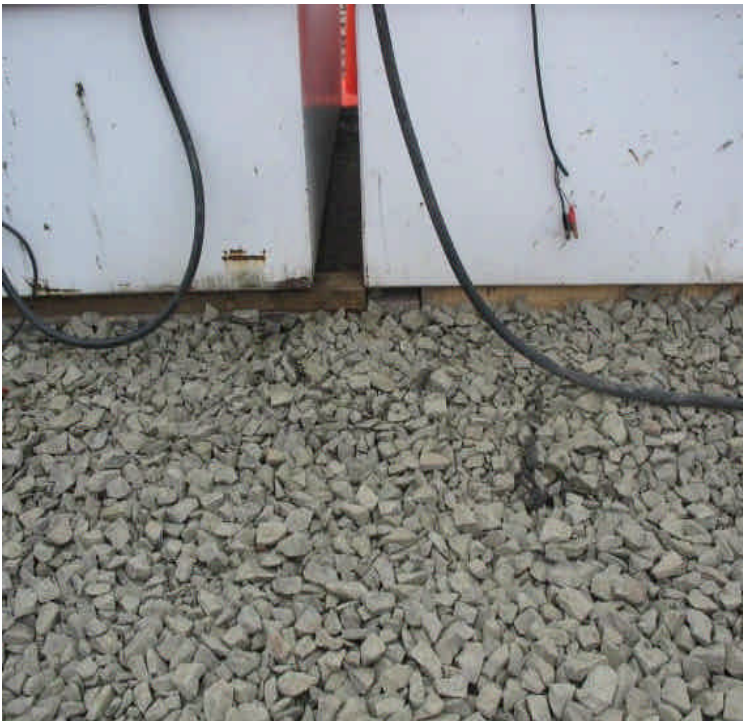
Silt fence, fiber rolls, and hay mulch have been added upgradient of wetland areas adjacent to the contractor receiving yard.



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



Small stains were noted around the contractor receiving yard including near a leaking forklift.



The fuel storage tanks remain in place on the new spill pad and nozzles are contained. A small drip stain was noted and is contained to the stone.



Silt fence and haybales are in place upgradient of wetlands at Black Pond.



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



ROW extension connecting Rt. 17 with Little Lane. Timber mats and a culvert are being used to cross the wetland and a stream.



View of a low, saturated spot at the timber mats crossing in the wetlands located west of Powder Hill Rd. Haybales are in place for further control and timber mats have added support. Minor sedimentation was noted leaving the site in this area.



Wetland crossing construction continues west of Powder Hill Rd. The stream will be crossed later in week. Monitor for sedimentation and adjust controls as needed.