

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 2a Inspection

Date: February 20, 2008

Inspector: Matthew Creighton

Location: Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

Rainfall: 4.22" of precipitation was recorded in the week prior to inspection with 3.47" of the total reported on 2/13 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 2/20/08	See Erosion Control Section for more details 2/20/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. 2/20/08	See the erosion control section for more details. 2/20/08	NA
Durham Rd. Liney Hall Ln.	An equipment bridge crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. Road improvements were noted off Liney Hall. Water was flowing across the road off Durham Rd. 2/20/08	Continue to monitor and add controls as needed. Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 2/20/08	Stone access roads have been regraded at Liney Hall Ln. Restrict access at Durham Rd. if possible.
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-2/20/08 Material is contained by the controls. 2/20/08	Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull sediment back from this area and ensure controls are in good shape. 12/26-2/20/08	Determine if material is outside of work limits
	Access road remains in place within the pasture east of the roadway. This includes wetland crossings via culverts.	Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and	NA at this time.

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	<p>Roadway remains free of sediment. Turbid water has been noted flowing to controls during rain events but this was largely due to the existing conditions of the adjacent agricultural fields. 2/20/08</p>	<p>see erosion control section for details. 2/20/08</p>	
<p>Powers Rd.</p>	<p>New access road was installed to bypass new line anchors placed within the original road. The new bypass has deep ruts and turbid run-off was flowing into the wetlands. Controls are needed. 2/20/08</p>	<p>Repair ruts and add stone to reduce turbid run-off. Add controls along the edge of the access road to filter run-off before it enters the wetland. 2/20/28</p>	<p>Needs attention.</p>
<p>Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 2/20/08</p>	<p>Continue to monitor entrances and sweep as needed. 2/20/08</p>	<p>NA</p>
<p>Pond Hill Rd. Docker Dr.</p>	<p>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. Additional controls were installed above the wetland off Docker. ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-2/20/08</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Evaluate ways to keep ATVs out. Return for final stabilization in the growing season. 2/20/08 See erosion control section for more details.</p>	<p>Additional controls were installed.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 2/20/08</p>	<p>Monitor the area and add controls if needed. 2/20/08</p>	<p>NA</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>impact from equipment. 12/18-2/20/08</p> <p>Minor sediment tracking was noted on a driveway however the roadway appears free of sediment. Some CB controls were installed. Additional mulch, seed, and silt fence were applied on the exposed slope at the underground to overhead transition pole. 2/20/08</p> <p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was noted leaving the driveway via this swale last week but was not an issue this week. 2/20/08</p> <p>Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone remains at the access driveway over the pavement to reduce tracking and run-off. 2/20/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-2/20/08</p> <p>Driveway issues were discussed with the siting council and will be removed from the reports. 2/20/08</p>	<p>use rubber mats or plywood to protect driveways. 12/18-2/20/08</p> <p>Continue to monitor CB controls and sweep sediment as needed.</p> <p>Continue to stabilize exposed soil in the active work area as soon as feasible. 2/20/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 2/20/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-2/20/08</p> <p>Re-grade ruts and restore the area. 1/8-2/20/08</p> <p>None. 2/20/08</p>	<p>Additional controls were installed. Continue to stabilize</p> <p>CBs have controls. Provide additional proactive attention.</p> <p>Needs evaluation and attention upon completion of work in the area.</p> <p>Needs attention when feasible.</p> <p>NA</p>
<p>Foundation and site construction</p>	<p>Minor access road grading was completed off Liney Hall Ln. 2/20/08</p>	<p>Monitor access road for run-off and add controls as needed. 2/20/08</p>	<p>NA.</p>

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	Line work continues off Old Farms Rd. moving east. 2/20/08	Stabilize the area upon completion of work. 2/20/08	NA.
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p> <p>Durham Rd. Liney Hall Ln.</p> <p>Williams Rd to East Center St.</p> <p>Tamarack Swamp Rd.</p>	<p>Clear water was noted within wetlands. Haybales within the ditch/outlet were knocked over again due to high flow. Water was clear at the time. 2/20/08 ATV traffic was also noted in this area, damaging controls and leaving ruts. 1/16-2/20/08</p> <p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. 12/4-2/20/08</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place And two bridges are in place across Muddy River trib. The area off Durham Rd was flooded over the access road but flow was still filtered by controls. 2/20/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 2/20/08</p> <p>A small detention basin remains here and is being used for a slurry dewatering area. Silt fence and a mulched berm are in place around the basin. 2/20/08</p> <p>A pad and foundation</p>	<p>Ensure mulch cover is sufficient for winter stabilization. Provide additional attention in the spring to establish vegetative cover. Replace controls before starting work in the area. 2/20/08 Evaluate measures to keep ATVs out of the area.</p> <p>Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-2/20/08</p> <p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. Additional or reinforced controls may be needed since water levels have the potential to overwhelm them. 2/5-2/12/08. If feasible keep equipment out of flooded areas until water subsides 2/20/08</p> <p>Add controls as needed in this area. Stabilize soils when applicable. 2/20/08</p> <p>Monitor controls for effectiveness. 2/20/08</p> <p>Ensure that sediment</p>	<p>Continue to expedite restoration here. Controls need to be restored again.</p> <p>Needs evaluation and to be monitored.</p> <p>Needs evaluation and restricted access if feasible.</p> <p>NA</p> <p>NA at this time.</p> <p>Hay mulch was applied</p>

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	<p>remain within wetlands with an adjacent area of standing water west side of roadway. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26, and new hay mulch was applied 2/20/08</p> <p>Snowplows have pushed snow and a large amount of stone up to the controls at the wetland boundary during clearing. 1/8-2/20/08</p> <p>Final structures were installed. The small section of silt fence at the wetland crossing was repaired. 2/20/08</p> <p>The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 2/20/08</p>	<p>from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-2/20/08</p> <p>See access road section and avoid pushing snow up to or within wetlands. 12/26-2/20/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8-2/20/08</p> <p>Continue to monitor controls installed adjacent to wetlands. Monitor for run-off associated with ROW activities. 2/20/08</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-2/20/08</p>	<p>in this area.</p> <p>Needs evaluation.</p> <p>Silt fence was repaired.</p> <p>NA at this time. Continue to monitor until the growing season</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. Even though the large gully on the slope does not seem to be worsening, it ends at the stream and should be addressed. 9/25-2/20/08</p>	<p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-2/20/08 Even though it is not worsening, the gully should still be repaired. 2/20/08</p>	<p>Gully needs evaluation/attention but it has not changed size since controls were added.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs continue to driving over controls and exposed</p>	<p>Add controls as needed along the edge of the wetlands until final stabilization is complete in the growing season.</p>	<p>Needs additional evaluation due to ATVs</p>

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<p>Old Fams Rd.</p>	<p>soils creating ruts. 12/4-2/20/08</p> <p>Turbid water ponds at the edge of the controls off Docker Dr. during rain events. Additional controls were installed 2/20/08</p> <p>Large areas of exposed soils are gullyng from heavy rains and/or been disturbed by ATVs (since 11/6). Crews have been here multiple times but ATV traffic is very active. 2/20/08</p> <p>Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing however, run-off was noted during heavy rains. Additional mulch and silt fence were added to exposed soils recently. 2/20/08</p> <p>Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the stockpile. However, the stockpile has the potential to overwhelm controls. 12/26-2/20/08</p>	<p>Monitor exposed areas. Additional measures may be needed to prevent ATV traffic and to stabilize soils through winter. 12/4-2/20/08</p> <p>Continue to maintain controls adjacent to the brook here. 2/20/08</p> <p>Crews plan to return as soon as weather conditions allow to apply bark mulch to encourage stabilization. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 2/20/08</p> <p>Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls as needed to filter run-off. Some CB liners have been replaced. 2/20/08</p> <p>Temporarily stabilize soils in this active area as soon as possible. 12/26-2/20/08</p> <p>Ensure that spoil piles are not stored within 100 feet of wetlands. 2/20/08</p>	<p>Additional controls were installed.</p> <p>Needs attention when ground conditions are appropriate.</p> <p>Additional controls were installed. Continue to evaluate and stabilize.</p> <p>Stockpiles need evaluation.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand.</p> <p>In accordance with the</p>	<p>Approved work in wetlands will follow the permit guidelines. 2/20/08</p> <p>Final stabilization and</p>	<p>NA</p> <p>Continue to evaluate.</p>

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Carpenter Ln. to Rte 68	<p>D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas when work is complete. 2/20/08</p> <p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 2/20/08</p> <p>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Haybales have been pushed out of place by high flow but water is clear. 2/20/08</p>	<p>reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. Any stabilization at this time will have to account for winter months. 2/20/08</p> <p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 2/20/08</p> <p>Monitor for run-off. Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter. 2/20/08</p>	<p>Needs to be monitored</p> <p>Work should be expedited here. Controls need attention again.</p>
Durham Rd. Liney Hall Ln.	<p>Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. The access off Durham Rd. is flooded but flow is filtered by controls. 2/20/08</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 2/20/08</p>	<p>NA at this time.</p>
Tamarack Swamp Road	<p>Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. However,</p>	<p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/20/08</p> <p>Ensure that the potential encroachments are covered under the permit. 12/26-2/20/08</p>	<p><i>The contractor has stated that pads are within the proposed/permitted size limits.</i></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. & Woodhouse Ave.</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Fams Rd.</p>	<p>the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20/08</p> <p>Access road/ wetland crossings are now in place to the east. Controls are in place adjacent to the work and repairs were made. 2/20/08</p> <p>Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding (noted 9/25) Now the area has well-established grass cover. 10/10-2/20/08</p> <p>Several wetland crossings are in place. 2/20/08</p> <p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 2/20/08</p>	<p>The contractor stated that pads are within the proposed/permitted size limits. 2/20/08</p> <p>Continue to monitor controls. Crossings need to be removed/restored when access is complete. 2/20/08</p> <p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews continue to return here for line work, potentially disturbing the area again before final stabilization. 10/10-2/20/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 2/20/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See erosion control section. 2/20/08</p>	<p>Small section of silt fence has been repaired.</p> <p>Further attention is needed here during final stabilization.</p> <p>NA at this time.</p> <p>NA at this time.</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 2/20/08</p> <p>Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding</p>	<p>Continue to monitor area and retain distance from active work. 2/20/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 2/20/08</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>habitat. 2/20/08 Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 2/20/08</p>	<p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1st and sweeps for turtles are not required until active season begins in April. 2/20/08</p>	<p>NA at this time.</p>
<p>Vegetative clearing or stabilization Most work areas Have been cleared</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Old Farms Rd. (115kV</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 2/20/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews continue working off Old Farms Rd. 2/20/08</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 2/20/08</p> <p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. Additional seed and hay was applied near the wetland but the slope will require more attention during thaw periods. 2/20/08</p> <p>Soil remains exposed here</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 2/20/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch w/binders or erosion control mats as needed). 12/4-2/20/08</p> <p>Continue to monitor and replace shrubs if needed. 2/20/08</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-2/20/08</p> <p>See erosion control</p>	<p>NA</p> <p>Disturbed areas need attention within timelines provided.</p> <p>NA at this time.</p> <p>Seed and mulch applied adjacent to the wetlands but slopes need additional attention during thaw.</p> <p>Some controls were</p>

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Underground trench-work)	<p>as active work is occurring but mulch was recently applied in some spots. 2/20/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-2/20/08</p> <p>Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 2/20/08</p>	<p>section. Encourage stabilization as soon as feasible wherever work is complete in this section. 2/20/08</p> <p>Regrade the disturbed/rutted area and stabilize. 12/26-2/20/08</p> <p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan (20ft in this location). Be extremely mindful of the extent of clearing. 2/20/08</p>	<p>installed but needs additional attention</p> <p>Needs to be monitored.</p>
Dewatering	<p>It appears all foundations and dewatering is complete at this time. 2/20/08</p>	<p>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use remaining dewatering pits as needed. 2/20/08</p>	<p>NA at this time. Work should shift to restoration.</p>
Blasting	<p>No blasting is proposed. 2/20/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</p> <p>Powers Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. 2/20/08</p> <p>Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 2/20/08</p> <p>Sanitary facility was left below a culvert, in standing water, upgradient from wetlands at the edge of the access road. (noted since 2/12) It was not tied-</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 2/20/08</p> <p>Monitor equipment closely for leaks as they move from site to site to prevent repeated problems. Always contain and control stockpiles as soon as possible. 2/20/08</p> <p>Always store sanitary facilities and equipment 100 feet or more from wetlands whenever possible. 2/12-2/20/08</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	down/secured. Site was inactive. 2/20/08 Soil continues to be stockpiled upgradient of the wetlands but controls remain in place. However the amount of soil has the potential to overwhelm the controls. 12/26-2/20/08 The plastic and leak-related material appears to have been removed. 2/20/08	Keep storage materials away from wetlands. Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-2/20/08 None at this time. 2/20/08	Needs to be monitored Plastic and soils were removed.
Additional Observations	None 2/20/08	None	

Next likely scheduled inspection:

Tuesday February 26, 2008

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: Matt Creighton, BSC Group

Reviewer: Diana Walden, BSC Group



Carpenter Lane: Haybales have been knocked over at the wetland outlet due to high flow. ATVs continue to damage controls and leave tracks in wetlands.



Durham Rd: Clear run-off noted across the access road and in the wetlands at the bridge over the Muddy River. Additional controls may be needed, especially when area is active.



Tamarack Swamp Rd.: Silt fence has been repaired.



Tamarack Swamp Rd: Hay was added at foundation within the wetland.



Powers Rd: Sanitary facility was located in standing water, upgradient from a wetland and not tied/secured into the trailer. This should be relocated, over 100 feet from wetlands.



Powers Rd: Rutted tracks were noted at an access road by-pass. Turbid water from the tracks is eventually flowing into the wetlands.



Docker Dr: Eroded channels/gullies from heavy rains and ruts from ATV traffic were noted along a steep slope. Contractors will return soon and attempt to stabilize with a bark mulch but there are large amounts of traffic here.



Docker Dr: Additional controls have been installed directly upgradient from wetlands.