

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: March 18, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.16” of precipitation was recorded in the week prior to inspection (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. 3/18/08	See Erosion Control Section for more details 3/18/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. A large area remains rutted, muddy, and disturbed following recent activity. 3/18/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 3/18/08	The area needs stabilization within timelines.
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. Water was flowing across the road off Durham Rd 3/18/08	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. 2/20-3/18/08	Continue to restrict access at Durham Rd. if possible.
	Sediment tracking was swept from Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-3/18/08 Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-3/18/08	Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance. 3/11-3/18/08 Carefully remove stone from the wetlands. When plowing snow, monitor wetland boundaries and place snow in upland areas 2/26-3/18/08	Roadway was swept but entrance could use additional attention. Needs attention

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Tamarack Swamp Rd.	<p>Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-3/18/08 Material remains contained by the controls 3/18/08</p> <p>Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Turbid water has been noted flowing around the site during storms but largely due to the existing field conditions. Timber mats within the field were reconfigured leaving an exposed area. 3/18/08</p>	<p>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. 12/26-3/18/08</p> <p>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 3/18/08</p>	<p>Determine if material is outside of work limits.</p> <p>NA at this time.</p>
Powers Rd.	<p>New access road installed to bypass new line anchors placed within the access road. repairs were made to the timber mats sinking into the ground at the new access road. A line of haybales and silt fence was installed to filter run-off. 3/18/08</p>	<p>Controls should be monitored and replaced as needed. Any sediment over 3" thick should be removed from the wetlands by hand, not to disturb the natural vegetation. 3/18/08</p>	<p>Haybales and silt fence installed. Timber mats appear to be fixed.</p>
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.	<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. 3/18/08</p>	<p>Continue to monitor entrances and sweep as needed. 3/18/08</p>	<p>NA</p>
Pond Hill Rd. Docker Dr.	<p>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. Additional controls remain installed directly above the wetland off Docker however, sever</p>	<p>Ensure that mulch cover is sufficient for winter stabilization. Add controls along exposed areas within the wetlands and on slopes as needed. Evaluate ways to keep ATVs out. Return for final stabilization in the</p>	<p>Needs attention.</p>

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<p>Mansion Rd to Tuttle Ave.</p>	<p>erosion continues on the slopes. ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-3/18/08</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. 3/18/08</p>	<p>growing season. 12/4-3/18/08</p> <p>Monitor the area and add controls if needed. 3/18/08</p>	<p>NA</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-3/18/08</p> <p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not noted leaving the driveway via this swale. 3/18/08</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. 3/18/08</p> <p>Clearing across a stream (on the way to Cook Hill Jct.) was complete. Mulch and seed remain in place for temporary stabilization. 3/18/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-3/18/08</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-3/18/08</p> <p>Monitor and add controls as needed to prevent turbid run-off, mostly during active times. 3/18/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-3/18/08</p> <p>Monitor this area closely as more controls may be needed to prevent run-off into the stream. 3/18/08</p> <p>Re-grade and restore the rutted areas. 1/8-3/18/08</p>	<p>NA at this time</p> <p>Needs attention when working in saturated conditions.</p> <p>Needs evaluation and attention upon project completion.</p> <p>Continue to monitor.</p> <p>Needs attention when feasible.</p>

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	access. 1/8-3/18/08		
Foundation and site construction	<p>Line work is underway off Liney Hall. 3/18/08</p> <p>Line installation was underway from Pent Rd. to the apple orchard. 3/18/08</p>	<p>Monitor controls and fix before entering sites and during construction as needed. 3/18/08</p> <p>Stabilize the area upon completion of work. 3/18/08</p>	<p>Line work underway.</p> <p>Line work continues.</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p> <p>Durham Rd. Liney Hall Ln.</p>	<p>Clear water was noted within wetlands. Haybales within the ditch/outlet were knocked over again. 3/18/08</p> <p>ATV traffic was also noted in this area, damaging controls and leaving ruts (1/16). Area is very rutted from recent activities. 3/18/08</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. New water bars were installed to contain and filter stormwater. 12/4-3/18/08</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place but flooded. Two bridges are in place across Muddy Brook. 3/18/08</p> <p>Plows have pushed stones into the wetlands and onto the timber mats. 3/18/08</p> <p>Liney Hall has been clean/swept. Site entrance is still rutted and needs</p>	<p>Ensure mulch cover is sufficient for winter stabilization. Provide additional attention in the spring to establish vegetative cover. Fix controls at the outlet and restabilize the newly disturbed areas. 3/18/08</p> <p>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. 12/4-3/18/08</p> <p>Monitor and add controls along the road or wetland as needed. If feasible keep out of flooded areas until water subsides 3/18/08</p> <p>Remove stone from the wetlands and timber mats. When plowing push snow off the mats and into the uplands. 3/18/08</p> <p>Fix ruts and add a stone tracking pad to reduce tracking onto the</p>	<p>Controls have been knocked over again by fast moving water however, water is clear.</p> <p>Area needs attention.</p> <p>Needs evaluation and to be monitored.</p> <p>Water bars installed.</p> <p>Monitor closely and increase controls as needed.</p> <p>Timber mats are flooded.</p> <p>Needs attention.</p> <p>Needs attention. Roadway cleaned.</p>

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Williams Rd to East Center St.	<p>attention. 3/18/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 3/18/08</p> <p>Two small detention basins were constructed for a slurry pump out to be used with a pump truck. Silt fence was installed and the berm around the basin was mulched. 3/18/08</p>	<p>roadway. 3/18/08</p> <p>Add controls as needed in this area. Stabilize soils when applicable. 3/18/08</p> <p>If these pump outs are no longer needed final grade and stabilize when feasible. 3/18/08</p>	<p>NA</p> <p>NA</p>
Tamarack Swamp Rd.	<p>A pad and foundation 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. 3/18/08</p> <p>On the east side, timber mats had been repositioned for the crane work that is still needed. This left an exposed area that may need controls. 3/18/08</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-3/18/08</p> <p>Stabilize any exposed soils from timber mat repositioning. Add controls as needed. See access roads section. 3/18/08</p>	<p>Needs additional evaluation.</p> <p>Continue to monitor- may need controls.</p>
Powers Rd. Woodhouse Ave. Harrison Rd.	<p>Turbid run-off was noted from the bypass access road off Powers Rd. Timber mats are compressing into the mud and turbid run-off is flowing into the wetland boundary (since 3/4). Controls had been extended along the wetland to contain the run-off but a few additional haybales are needed. 3/18/08</p> <p>The previously seeded stockpile area off</p>	<p>Continue to stabilize the area and maintain controls. If sediment has accumulated in the wetland, it should be removed by hand. 3/18/08</p> <p>Ensure sufficient stabilization for winter</p>	<p>New controls were in place along the wetland edge. Additional haybales are needed.</p> <p>NA at this time. Continue to monitor</p>

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 3/18/08</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap and gully off Harrison Rd. Several heavy rain events have finally eroded soils, undermining the controls. Sediment is being carried down the slope and over controls upgradient from the stream. The gully here had been noted since 9/25 but had not worsened until recently. 3/11-3/18/08</p> <p>Controls off Docker Dr. near the wetlands were recently reinforced. Large areas of exposed soils are gulying from heavy rains and/or been disturbed by ATVs (since 11/6). Crews have been here multiple times but ATV traffic is very active. Gullies are worsening in the recent rains. 3/18/08</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. Eroded gullies/rills were noted on the slope. 3/4/08</p>	<p>months. Avoid access once an area is temporarily or permanently stabilized. 11/27-3/18/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-3/18/08</p> <p>The controls need to be reinforced and a more permanent solution should be evaluated. Remove the sediment that has accumulated over the controls at the stream. 3/11-3/18/08</p> <p>Continue to maintain controls adjacent to the brook here. 3/4/08 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. 2/20-3/18/08</p> <p>Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls, including CB liners, as needed to filter run-off. Additional controls should be used in the drainage areas. 3/18/08</p>	<p>until the growing season</p> <p>Gully and controls need attention. Controls have been undermined.</p> <p>Needs attention when ground conditions are appropriate.</p> <p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention for periods of heavy rain.</p>

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Tamarack Swamp Road	<p>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. 3/18/08</p> <p>Snow removal activities have pushed stone onto timber mats and subsequently into wetlands off Liney Hall. 2/26-3/18/08</p> <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, the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20-3/18/08</p>	<p>Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 3/18/08</p> <p>Remove stone, carefully by hand, from wetlands and pull stone back from the timber mats. 2/26-3/18/08</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>The contractor stated that pads are within the proposed/permitted size limits. 2/20-3/18/08</p>	<p>Needs attention.</p> <p><i>The contractor has stated that pads are within the proposed/permitted size limits.</i></p>
Powers Rd. & Woodhouse Ave.	<p>Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding (noted 9/25) Well-established grass cover is in place. Turbid run-off noted from the access road bypass was reaching the wetland (3/4-3/11) Additional controls have now been installed. 3/18/08</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. 3/18/08</p> <p>Check wetlands for accumulated sediment and remove by hand if necessary. 3/18/08</p>	<p>1st area needs attention during final restoration</p> <p>Additional controls were installed for the turbid run-off issue. Wetlands need evaluation.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. 3/18/08</p>	<p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 3/18/08</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 3/18/08	Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 3/18/08	NA at this time.
State species of concern, threatened and endangered species.	A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 3/18/08	Continue to monitor area and retain distance from active work. 3/18/08	NA
Liney Hall Rd	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 habitat. 3/18/08	Prevent turbidity and direct impacts to these areas to the extent feasible. 3/18/08	NA
Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave	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. 3/18/08	Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1 st and sweeps for turtles are not required until active season begins in April. 3/18/08	NA at this time.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 3/18/08 Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines through the ROW. 3/18/08	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. 3/18/08 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	NA Final stabilization will be needed upon completion of active line work.

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<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 Underground trench-work)</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. 3/18/08</p> <p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. The slope will require more attention during thaw periods. 2/26-3/18/08 Rills and gullies were worsening, 3/18/08</p> <p>Soil remains exposed here due to recent active work. Mulch was recently applied in some spots but erosion was noted. 3/18/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-3/18/08</p> <p>Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 3/18/08</p>	<p>w/binders or erosion control mats as needed). 12/4-3/18/08</p> <p>Continue to monitor and replace shrubs if needed. 3/18/08</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. 11/20-3/18/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 3/18/08 Regrade the disturbed/rutted area and stabilize. 12/26-3/18/08</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 3/18/08</p>	<p>NA at this time.</p> <p>Slopes need additional attention during thaw. Contractors are scheduled to return here with heavy mulch in the near future.</p> <p>Needs additional attention.</p> <p>Needs to be monitored.</p>
<p>Dewatering</p>	<p>It appears all foundations and dewatering is complete at this time. 3/18/08</p>	<p>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. 3/18/08</p>	<p>NA at this time. Work should shift to restoration.</p>
<p>Blasting</p>	<p>No blasting is proposed. 3/18/08</p>	<p>None</p>	<p>NA</p>



Carpenter Ln: Large, recently exposed area needs stabilization.



Liney Hall Ln: Line work was underway.



Liney Hall Ln: View of the stone that was plowed on the timber mats and within the wetlands during snow removal.



Tamarack Swamp Rd: Timber mats were relocated to the structure before the Stony Brook crossing.



Powers Rd: The new bypass road and timber mats are stable. Additional controls were installed along the wetland boundary.



Harrison Rd: Stormwater has eroded soils and undermined controls where the gully had been noted on the slope for several months. Additional controls are needed and a long-term solution needs to be discussed.



Docker Dr: Eroded rills/gullies had worsened along the slope due to heavy rain. Mulch/seed have washed away. Contractors are scheduled to return here with heavy mulch in an attempt to stabilize the area.



Old Farms Rd: The soil stockpile at Cook Hill Jct. had been partially removed. Continue to remove the material and stabilize the area.