

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 26, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.63” 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. 2/26/08	See Erosion Control Section for more details 2/26/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. 2/26/08	See the erosion control section for more details. 2/26/08	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. Water was flowing across the road off Durham Rd. 2/26/08	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. 2/20-2/26/08	Restrict access at Durham Rd. if possible.
	Stone was added to access roads off Liney Hall but heavy sediment tracking was noted on the roadway. 2/26/08 Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26/08	Clean/sweep roadway and install more stone in the tracking pad as needed. 2/26/08 Carefully remove stone from the wetlands. When plowing snow, monitor wetland boundaries and place snow in upland areas 2/26/08	Needs attention
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing	Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull	Determine if material is outside of work limits

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	<p>the pad. 12/26-2/26/08 Material is contained by the controls. 2/26/08</p> <p>Access road remains in place within the pasture east of the roadway. This includes wetland crossings via culverts. 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. 2/26/08</p>	<p>sediment back from this area and ensure controls are in good shape. 12/26-2/26/08</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. 2/26/08</p>	<p>NA at this time.</p>
<p>Powers Rd.</p>	<p>The deep ruts noted in the new access road bypass last week have been covered with timber mats that had been removed from the wetlands. 2/26/08</p>	<p>Monitor the new matted area for run-off and add controls as needed. Monitor the exposed pad site in the wetlands where the mats were taken from. 2/26/28</p>	<p>Timber mats were placed over the rutted area.</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. 2/26/08</p>	<p>Continue to monitor entrances and sweep as needed. 2/26/08</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. 12/4-2/26/08</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. 2/26/08 See erosion control section for more details. 2/26/08</p>	<p>Additional controls were added.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>A culvert remains in place to help prevent ponding in the access road. Water</p>	<p>Monitor the area and add controls if needed. 2/26/08</p>	<p>NA</p>

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<p>Old Farms Road</p>	<p>bars remain in place across the access road to slow and filter stormwater. 2/26/08</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-2/26/08</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. 2/26/08</p> <p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not observed leaving the driveway via this swale. 2/26/08</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. 2/26/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-2/26/08</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-2/26/08</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 2/26/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 2/26/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-2/26/08</p> <p>Re-grade and restore the rutted areas. 1/8-2/26/08</p>	<p>NA at this time</p> <p>Continue to stabilize.</p> <p>Provide additional proactive attention.</p> <p>Needs evaluation and attention upon project completion.</p> <p>Needs attention when feasible.</p>
<p>Foundation and site construction</p>	<p>Line work is underway from Carpenter Ln. to Stony Brook Rd. 2/26/08</p>	<p>Evaluate and repair controls before entering sites and during construction as needed.</p>	<p>NA.</p>

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Williams Rd to East Center St.	<p>Timber mats and silt fence remain in place at the Stony Brook site access. 2/26/08</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. 2/26/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 2/26/08</p> <p>Monitor controls for effectiveness. 2/26/08</p>	<p>NA</p> <p>NA at this time.</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 and new hay mulch was recently applied. 2/26/08</p> <p>Snowplows have pushed snow and a large amount of stone up to the controls at the wetland boundary during clearing. 1/8-2/26/08</p> <p>The access road crosses several small wetlands via culverts and controls are in place. 2/26/08</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- 2/26/08</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-2/26/08. Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details</p> <p>Avoid pushing snow up to or within wetlands. 12/26-2/26/08. This is a large amount of material and should be pulled back to avoid encroachment. 1/8-2/26/08</p> <p>Continue to monitor controls installed adjacent to wetlands. Monitor for run-off associated with ROW activities. 2/26/08</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-2/26/08</p>	<p>See Inland wetland section.</p> <p>No run-off was noted during recent heavy rain but provide proactive evaluation.</p> <p>Continue to monitor.</p> <p>NA at this time. Continue to monitor until the growing season</p>
Woodhouse Ave. Harrison Rd.	<p>Controls, including several large fiber logs remain along the slope</p>	<p>Continue to monitor and adjust controls as needed. The eroded gully should</p>	<p>Gully needs evaluation/attention but it has not changed size since</p>

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>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. 9/25-2/26/08</p>	<p>be graded and stabilized to avoid undermining the controls. 10/2-2/26/08 Even though it is not worsening the gully should still be repaired. 2/26/08</p>	<p>controls were added.</p>
	<p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs continue to driving over controls and exposed soils creating ruts. 12/4-2/26/08</p>	<p>Add controls as needed along the edge of the wetlands until final stabilization is complete in the growing season. Monitor exposed areas. Additional measures may be needed to prevent ATV traffic and to stabilize soils through winter. 12/4-2/26/08</p>	<p>Needs additional evaluation due to ATVs</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. 2/26/08</p>	<p>Continue to maintain controls adjacent to the brook here. 2/20/08 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. 2/20-2/26/08</p>	<p>Needs attention when ground conditions are appropriate.</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. 2/26/08</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. 2/26/08</p>	<p>Continue to evaluate and stabilize. Area needs additional attention for periods of heavy rain.</p>
<p>Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the</p>	<p>Temporarily stabilize soils in this active area as soon as possible. 12/26-2/26/08</p>	<p>Stockpiles need evaluation.</p>	

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	<p>stockpile. However, the stockpile has the potential to overwhelm controls. 12/26-2/26/08</p>	<p>Ensure that spoil piles are not stored within 100 feet of wetlands. 2/26/08</p>	
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p> <p>In accordance with the 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. 2/26/08</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. 2/26/08</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. 2/26/08</p> <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. 2/26/08</p>	<p>Approved work in wetlands will follow the permit guidelines. 2/26/08</p> <p>Final stabilization and 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. 2/26/08</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. 2/26/08</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. 2/26/08</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. 2/26/08</p>	<p>NA</p> <p>Continue to evaluate.</p> <p>Needs to be monitored</p> <p>Work should be expedited here. Controls need attention again.</p> <p>NA at this time.</p>
<p>Carpenter Ln. to Rte 68</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. 2/26/08</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. 2/26/08</p>	<p>Work should be expedited here. Controls need attention again.</p>
<p>Durham Rd. Liney Hall Ln.</p>	<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. 2/26/08</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. 2/26/08</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Road	<p>Snow removal activities have pushed stone onto timber mats and subsequently into wetlands off Liney Hall. 2/26/08</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. 2/20-2/26/08</p> <p>Access road/ wetland crossings remain in place to the east. Controls are in place adjacent to the work. 2/26/08</p>	<p>Remove stone, carefully by hand, from wetlands and pull stone back from the timber mats. 2/26/08</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. 2/20-2/26/08</p> <p>Continue to monitor controls. Crossings need to be removed/restored when access is complete. 2/26/08</p>	<p>Needs attention.</p> <p><i>The contractor has stated that pads are within the proposed/permitted size limits.</i></p> <p>NA at this time.</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. Some timber mats were removed from the wetland for use at the access road bypass. 2/26/08</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. Add new controls as needed to recently exposed areas. 2/26/08</p>	<p>Some timber mats have been removed from the wetland. Monitor this area closely and add controls as needed.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. 2/26/08</p>	<p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 2/26/08</p>	<p>NA at this time.</p>
Old Farms Rd.	<p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and</p>	<p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	seeded. 2/26/08	sections. 2/26/08	
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 2/26/08</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 habitat. 2/26/08</p> <p>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. 2/26/08</p>	<p>Continue to monitor area and retain distance from active work. 2/26/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 2/26/08</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. 2/26/08</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Woodhouse Ave and Harrison Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 2/26/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines throughout the ROW. 2/26/08</p> <p>As requested by state representatives and Siting</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. 2/26/08</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 or erosion control mats where applicable). 12/4-2/26/08</p> <p>Continue to monitor and replace shrubs if needed.</p>	<p>NA</p> <p>Final stabilization will be needed upon completion of work.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 2/26/08</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. 2/26/08</p> <p>Soil remains exposed here 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. 12/26-2/26/08</p> <p>Clearing is complete across a stream. Mulch and seed remain in place for temporary stabilization. 2/26/08</p>	<p>2/26/08</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. 11/20-2/26/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 2/20/08 Regrade the disturbed/rutted area and stabilize. 12/26-2/26/08</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 2/26/08</p>	<p>Slopes need additional attention during thaw.</p> <p>Some controls were installed but needs additional attention</p> <p>Needs to be monitored.</p>
Dewatering	It appears all foundations and dewatering is complete at this time. 2/26/08	Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use the dewatering pits as needed. 2/26/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 2/26/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 2/26/08	Always use spill control materials when working on equipment and during refueling. Replace as needed. Check	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
All Active Sites	Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 2/26/08	equipment daily for leaks and repair as soon as possible. 2/26/08 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. 2/26/08	Continue to monitor throughout construction.
Powers Rd.	The sanitary facility noted since 2/12 has been removed from the edge of the access road where it had been located adjacent to wetlands. 2/26/08	Always store sanitary facilities and equipment 100 feet or more from wetlands whenever possible. 2/26/08	The facility was moved.
Old Farms Rd.	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. 12/26-2/26/08	Keep storage materials away from wetlands. Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-2/26/08	Needs to be monitored
Additional Observations	None 2/26/08	None	

Next likely scheduled inspection:

Tuesday March 4, 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



High Hill Rd: Crews were installing insulators and blocks for line pulling



Liney Hall Ln: Snow and stone were plowed onto timber mats and subsequently into wetlands. Stone material needs to be removed carefully.



Liney Hall Ln: Additional stone was installed upgradient from/ adjacent to the timber mats.



Liney Hall Ln: Sediment tracking noted on the roadway at the entrance to the ROW access road. The roadway should be cleaned/swept and additional stone may be needed at the entrance to reduce tracking.



Powers Rd: Some timber mats were removed from the wetlands. Controls were in place.



Powers Rd: The rutted tracks noted at the access road by-pass last week were covered with the timber mats taken from the wetlands. The sanitary facility previously located near wetlands has also been removed.



Tuttle Ln: Line work was underway from Old Farms Rd.



Old Farms Rd: Line work was underway at several structures along the roadway. Continue to monitor controls and wetland boundaries during the line work.