

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: April 15, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.43” of precipitation was recorded in the week prior to inspection with 0.40” of the total reported on 4/12 (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. 4/15/08	See Erosion Control Section for more details 4/15/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, a large area upgradient remains rutted, muddy, and disturbed following recent activity 4/1-4/15/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 4/15/08	See erosion control section.
	New stone was installed within the wetlands last week. BSC was informed that crews are reducing the overall wetland impact by eliminating one of the proposed access roads to the structures. A spur road between the two sets of structures is being created instead. 4/15/08	Evaluate the placement of the new stone to determine whether impacts can be even further reduced by using the existing access footprint. Culverts will need to be installed. 4/15/08	See erosion control section.
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 flowing across the road off Durham Rd. was turbid this week but controls are filtering the sediment. 4/15/08	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. 2/20-4/15/08	Continue to restrict access at Durham Rd. if possible.
	No sediment was noted	Continue to sweep the	Entrance needs

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Rd.	<p>on Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-4/15/08</p> <p>Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-4/15/08</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. 4/15/08</p>	<p>roadway on a regular basis and install a tracking pad (or refresh stone at the entrance.) 3/11-4/15/08</p> <p>Carefully remove stone from the wetlands. 2/26-4/15/08</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. 4/15/08</p>	<p>attention when feasible.</p> <p>Needs attention.</p> <p>NA at this time</p>
Powers Rd.	<p>The access road installed to bypass the new line anchors remains. Timber mats remain at a saturated crossing. Controls are effectively filtering run-off. 4/15/08</p>	<p>Controls should be monitored and replaced as needed. If sediment has accumulated more than 2" here, it should be removed from the wetlands by hand, not to disturb the natural vegetation. 4/15/08</p>	<p>Controls were in good shape.</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. 4/15/08</p>	<p>Continue to monitor entrances and sweep as needed. 4/15/08</p>	<p>NA</p>
Pond Hill Rd. Docker Dr.	<p>ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. (since 12/4) 4/15/08</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Return for final stabilization when feasible. 3/4-4/15/08 See erosion control section for more details.</p>	<p>Needs attention when feasible.</p> <p>Contractors received authorization to begin this work.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>complete off Harrison Rd. A surge pool/settling area was installed to slow and filter the stormwater runoff from the roadway and the first terrace along the slope was covered in riprap. 4/15/08</p> <p>Crews were breaking up old concrete foundations at Cook Hill Jct. 4/15/08</p>	<p>effectiveness. 4/15/08</p> <p>Remove concrete material from the area upon completion of work. 4/15/08</p>	<p>implemented.</p> <p>NA at this time.</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p> <p>Durham Rd. Liney Hall Ln.</p>	<p>The high flow that is present within the ditch/outlet here will not allow haybales to remain in place. However, stone work last week (4/8) had created turbidity in the wetland surface water which flowed off site. A stone/sediment pile was also left adjacent to the wetlands. 4/15/08.</p> <p>ATV traffic was also noted in this area, damaging controls and leaving ruts (since 1/16). Area is heavily rutted and disturbed from recent activities. 3/18-4/15/08</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. Water bars are installed to contain and filter stormwater. 12/4-4/15/08</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place. The flooded portion of the road was turbid but controls were</p>	<p>The outlet needed effective controls due to work on the pad in order to filter turbid water before it leaves the site. Ensure these controls are in place during active work or rain events due to the adjacent exposed soil. 4/8-4/15/08</p> <p>Disturbed areas will need temporary stabilization. Provide additional attention to establish vegetative cover. Evaluate measures to keep ATVs out of the area. 4/15/08</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. 12/4-4/15/08</p> <p>Monitor and add controls along the road or wetland as needed. See Access Road and Inland wetland sections for more information on this area. 4/15/08</p>	<p>Needs attention.</p> <p>Area needs final grading and stabilization within timelines.</p> <p>Continue to monitor.</p> <p>Restrict access in flooded areas when feasible.</p> <p>Liney Hall Rd needs attention.</p>

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<p>Williams Rd to East Center St.</p>	<p>filtering well. 4/15/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 4/15/08</p> <p>Two small detention basins were used as slurry dewatering areas. Silt fence and a mulched berm are in place around the basins. 4/15/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 4/15/08</p> <p>If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 4/15/08</p>	<p>NA</p> <p>NA</p>
<p>Tamarack Swamp Rd.</p>	<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 hay mulch was recently applied. 4/15/08</p> <p>On the east side, a soil stockpile remains in place with some adjacent controls. However, the pile is not fully contained. 4/1-4/15/08</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-3/4/08. Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 12/26-4/15/08</p> <p>Remove or stabilize the stockpile as soon as feasible. 4/1-4/15/08</p>	<p>See Inland wetland section.</p> <p>Continue to monitor- may need controls</p>
<p>Powers Rd. Woodhouse Ave. Harrison Rd.</p>	<p>Timber mats on the bypass access road off Powers Rd. had been compressing into the mud resulting in turbid run-off. However, controls remain sufficiently extended along the wetland to contain the run-off. 4/15/08</p> <p>The previously seeded stockpile area off Woodhouse Ave. may need additional hay and seed now that spring and the growing season has</p>	<p>Continue to stabilize the area and maintain controls. If sediment has accumulated in the wetland, it should be removed by hand. 3/18-4/15/08</p> <p>Ensure sufficient stabilization and add hay/seed as needed. Avoid access once an area is temporarily or permanently stabilized.</p>	<p>Continue to monitor.</p> <p>Monitor this area for stabilization.</p>

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	<p>arrived. 4/15/08 Vehicle tracks were noted in the reclaimed areas. 11/27- 4/15/08</p> <p>A stone settling and overflow area has been installed at the stormwater outlet at Harrison Rd. The gully here had been noted since 9/25 but had not worsened until recently. (3/11). Riprap was installed along the first terrace of the slope for stabilization. The new controls should be a permanent solution to the stormwater run-off issues concerning Harrison Rd. 4/15/08</p>	<p>11/27-4/15/08</p> <p>This area should be monitored closely to evaluate the effectiveness of the new controls/ solution. Exposed soils should be stabilized upon completion of work. 4/15/08</p>	<p>A stormwater solution was installed.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</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 heavy rains. 4/15/08</p>	<p>Continue to maintain controls adjacent to the brook here. 3/4/08 Crews plan to return as soon as weather conditions allow applying 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. 2/20-4/15/08</p>	<p>Needs attention when feasible.</p> <p><i>Contractors received authorization to begin this work.</i></p>
<p>Old Farms Rd.</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. 4/15/08</p> <p>Soils remain stockpiled</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 4/15/08</p> <p>Temporarily stabilize soils</p>	<p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention for periods of heavy rain.</p> <p>Controls Need</p>

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	<p>upgradient from wetlands onsite with sediment observed migrating beneath the filter sock controls here (since 3/4) Crews were in the process of removing the pile but work was on hold. 4/1-4/15/08</p>	<p>in this active area as soon as possible. 12/26-4/1/08 Continue to remove the stockpile and reinforce controls until this work is complete. 3/18-4/15/08</p>	<p>Attention even though the stockpile was in the process of being removed.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</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. 4/15/08</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. 4/15/08</p> <p>Some of the timber mat and stone staging areas remain in place within wetlands off Carpenter Ln. Large disturbed area is still noted upgradient from wetlands 3/18-4/15/08</p> <p>Haybales cannot remain upright in the high flow at the outlet. However effective controls were needed as turbid water is noted during active stone work. 4/8-4/15/08</p>	<p>Approved work in wetlands will follow the permit guidelines. 4/15/08</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. Weather is becoming conducive to restoration. 4/15/08</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. 4/15/08</p> <p>Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization. 3/18-4/15/08</p> <p>Effective/alternative controls are needed to protect wetlands downstream and filter the turbid water. 4/8-4/15/08</p>	<p>NA</p> <p>Continue to evaluate.</p> <p>Needs to be monitored</p> <p>Work should be expedited here. Stabilization needed within timelines.</p> <p>Controls need attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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 and turbid but flow is filtered by controls. 4/15/08</p> <p>Snow removal (on 2/26) has pushed stone onto timber mats and subsequently into wetlands off Liney Hall Ln. 4/15/08</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. 4/15/08</p> <p>Remove stone, by hand, from wetlands and pull stone back off of the timber mats. 2/26-4/15/08</p>	<p>Restrict access in flooded areas when feasible.</p> <p>Needs attention.</p>
<p>Tamarack Swamp Road</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. 2/20-4/15/08</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. 2/20-4/15/08</p> <p>Contractors will also make an effort to pull back the stone during reclamation. 4/15/08</p>	<p><i>The contractor has stated that pads are within the proposed/permitted size limits but will attempt to remove spoil to the extent feasible.</i></p>
<p>Powers Rd. & Woodhouse Ave.</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) Well-established grass cover is in place. Turbid run-off noted from the access road bypass was reaching the wetland (3/4-3/11) but additional controls have since been installed. 4/15/08</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. 3/24/08</p> <p>Check wetlands for accumulated sediment and remove by hand if necessary. 3/18-4/15/08</p>	<p>1st area needs attention during final restoration</p> <p>Good controls are in place.</p> <p>Wetlands need evaluation.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Several wetland crossings are in place. 4/15/08</p>	<p>Monitor and maintain controls. Crossings will need to be restored when</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Fams Rd.</p>	<p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 4/15/08</p>	<p>access needs are complete. 4/15/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 4/15/08</p>	<p>NA at this time.</p>
<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. 4/15/08</p> <p>Several frog and salamander egg masses were noted last spring within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 4/15/08</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. 4/15/08</p>	<p>Continue to monitor area and retain distance from active work. 4/15/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 4/15/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season has ended as of April 1st and sweeps for turtles are required prior to accessing the site. 4/15/08</p>	<p>NA</p> <p>NA</p> <p>Eastern Box turtles active season has begun and sweeps are needed.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 4/15/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines through the ROW. 4/15/08</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. 4/15/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, weather is becoming</p>	<p>NA</p> <p>Final stabilization will be needed upon completion of work.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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. 4/15/08</p> <p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. Rills and gullies were worsening. 3/18-4/15/08</p> <p>Soil remains exposed here due to recent active work. Mulch was recently applied in some spots but erosion was noted. 4/1-4/15/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-4/15/08</p> <p>Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 4/15/08</p>	<p>conducive to final restoration. 4/15/08</p> <p>Continue to monitor and replace shrubs if needed. 4/15/08</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. 11/20-4/15/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 4/15/08</p> <p>Regrade the disturbed/rutted area and stabilize. 4/15/08</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. 4/15/08</p>	<p>NA at this time.</p> <p>Slopes need additional attention. Contractors are scheduled to return here with heavy mulch in the near future.</p> <p>Needs additional stabilization.</p> <p>Needs to be monitored.</p>
<p>Dewatering</p>	<p>It appears all foundations and dewatering is complete at this time. 4/15/08</p>	<p>Remove and stabilize old dewatering pits as necessary. 4/15/08</p>	<p>NA at this time. Work should shift to restoration.</p>
<p>Blasting</p>	<p>No blasting is proposed. 4/15/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill control materials are being brought to sites when work is performed. 4/15/08</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks</p>	<p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>All Active Sites</p> <p>Old Farms Rd.</p>	<p>Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. This includes a stockpile noted off Tamarack Swamp Rd. 4/15/08</p> <p>Approximately 1/2 of the soil remains stockpiled upgradient of the wetlands and controls remain in place. Soil has been overwhelming the controls since 3/4. Work has been on hold while disposal details are worked out. 3/24-4/15/08</p> <p>Crews are removing old concrete foundations at Cook Hill Jct. 4/15/08</p>	<p>and repair as soon as possible. 4/15/08</p> <p>Always contain and stabilize stockpiles as soon as possible. Filter socks were noted at the base of the one of Tamarack Swamp Rd. but it was not fully enclosed. 4/15/08</p> <p>Keep storage materials away from wetlands. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-4/15/08 Continue to remove soil when feasible and reinforce controls. 3/24-4/15/08</p> <p>Old concrete foundations should be removed upon completion of work and disposed of properly. 4/15/08</p>	<p>Continue to monitor throughout construction.</p> <p>A portion of the stockpile has been removed.</p> <p>Additional controls are still needed.</p> <p>Removing old foundations.</p>
<p>Additional Observations</p>	<p>None 4/15/08</p>	<p>None</p>	

Next likely scheduled inspection:

Tuesday April 22, 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 Ln: New areas of stone installed were within the wetlands. Crews are reducing the overall wetland impacts by eliminating one of the proposed access roads to the structures but they are working on an access connection between the sets.



Carpenter Ln: Stone/sediment stockpile from the work was located upgradient from wetlands. Relocate or remove the stockpile greater than 100 feet from wetlands. Also, controls at the outlet did not appear to be repaired following the observation of turbidity in the water last week.



Durham Rd: Turbid water noted at the wetland crossing however sediment is filtering out before entering the wetlands. Continue to monitor carefully.



Tamarack Swamp Rd.: Stockpile located east of the roadway is not fully contained with controls. Add controls or stabilize or remove the stockpile.



Tamarack Swamp: Controls remain at the edge of the pad to stabilize soils adjacent to the standing water.



Powers Rd: Additional controls appear to be filtering all run-off from the bypass access road before it leaves the site.



Harrison Rd: Crews installed a more permanent solution to filter and slow the stormwater from the roadway that outlets to the ROW. They were building a detention area/"surge pool" to allow water to flow over a flat grade prior to heading downslope.



Harrison Rd: The top terrace of the slope below the newly installed detention area has been covered in riprap for stabilization. The pad here will remain, as requested by the golf club, for maintenance crew parking.