

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: October 30, 2007

Inspector: Matthew Creighton

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

Rainfall: 1.09” of precipitation was recorded in the week prior to inspection with 0.69” of the total reported on 10/27 (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. 10/30/07	See Erosion Control Section for more details 10/30/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. Sediment is accumulating along controls at drainage ditch. 8/28-10/30/07 As of 10/23, one pad was removed and stabilization measures were taken. 10/30/07	Add controls as needed along the wetlands. See the erosion control section. 10/30/07	One pad area was reclaimed. The area needs regular attention
	A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 10/30/07	Add controls as needed along the access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 10/30/07	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. to access structure #24272. 10/30/07	Continue to monitor and add controls as needed. 10/30/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously	Stone should be removed and lawn area should be	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>mowed area off Williams Rd. 10/30/07</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 most locations. 10/30/07</p>	<p>restored upon completion of the project work. 10/30/07</p> <p>Continue to monitor entrances and sweep as needed. 10/30/07</p>	<p>NA</p>
<p>Powers Rd.</p>	<p>Partial reclamation efforts noted here, some sediment/stone and mats remain in wetlands 10/10-10/30/07</p>	<p>See erosion control section. Carefully remove the remaining stone. 10/10-10/30/07</p>	<p>Restoration efforts had occurred but more attention is needed.</p>
<p>Pond Hill Rd. Docker Dr.</p>	<p>Timber mats remain in place at the wetland crossings off Pond Hill. 10/30/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. 10/30/07</p>	<p>NA at this time</p>
<p>Mansion Rd. Apple Orchard</p>	<p>A culvert remains in place to help prevent ponding in the access road. 10/30/07</p>	<p>Monitor the area and add controls if needed. 10/30/07</p>	<p>NA at this time</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Due to previously observed ruts/washouts, water bars remain in place across the steep slope of the access road to slow and filter stormwater. 10/30/07</p>	<p>Retain the no access areas and monitor controls. See erosion control section for more details. 10/30/07</p>	<p>NA at this time</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 10/30/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 10/30/07</p>	<p>NA</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Small pads and access-ways remain in place for laydown areas in the ROW. 10/30/07</p>	<p>Continue to monitor areas for erosion and install controls as needed. 10/30/07</p>	<p>NA</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Hydroseed remains along the exposed soils at the edge of the roadway. 10/30/07</p>	<p>Continue to monitor until stabilization is achieved. 10/30/07</p>	<p>NA</p>

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	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-10/30/07</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-10/30/07</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-10/30/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-10/30/07</p>	<p>Needs attention.</p> <p>Needs attention</p>
<p>Foundation and site construction</p> <p>Carpenter Lane, High Hill Rd., Rt 68</p> <p>Durham Rd. Liney Hall Lane Williams Rd to East Center St.</p> <p>Tamarack Swamp Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Pent Rd. & Oliver Creek Rd.</p>	<p>Foundation installation was complete off Carpenter Ln. Crews removed a pad site and added seed and hay mulch. 10/30/07</p> <p>Poles have been installed at these sites. Foundation work appears complete from Durham Rd. to Williams Rd. Some line work was occurring off Woodhouse Ave. 10/30/07</p> <p>No new work since the foundation was installed within wetlands. More controls have been added to contain sediment. 10/30/07</p> <p>Line installation appeared complete from Harrison Rd to Docker Dr. 10/30/07</p> <p>Line work was underway, moving into the landfill. 10/30/07</p> <p>No new work since drilling was completed at structure #24225. 10/30/07</p>	<p>Monitor the area for run-off and add additional controls if needed. See erosion control section and continue to restore the area. 10/30/07</p> <p>See erosion control section for more details. 10/30/07</p> <p>Monitor new controls and add more as needed. See erosion control section for more details. 10/30/07</p> <p>See EC section for more detail. 10/30/07</p> <p>Add/adjust controls as necessary. 10/30/07</p> <p>Add controls as needed. Area appears stable. 10/30/07</p>	<p>Reclamation of a pad site is complete.</p> <p>NA</p> <p>Controls were added.</p> <p>Monitor closely.</p> <p>NA</p> <p>NA.</p>

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<p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Installation is scheduled to continue in this section between #24216-226 10/30/07</p> <p>Foundation installation almost complete within the Orchard. 10/30/07</p> <p>Underground line pulling underway. 10/30/07</p>	<p>See erosion control section. Add controls as needed especially with several steep slopes. 10/30/07</p> <p>Add controls as needed near wetlands. 10/30/07</p> <p>See access road and erosion control sections for more details. 10/30/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>Carpenter Ln. to Rt. 68</p> <p>Durham Rd.</p> <p>Liney Hall Ln.</p> <p>Williams Rd to East Center St.</p>	<p>Run-off is filtering through haybale check dams before leaving the site. Sediment accumulation was noted here (since 6/19) but remains contained within the controls at this time. 10/30/07</p> <p>A pad was removed from the area and the exposed soil was mulched and seeded. Some areas remain exposed. 10/30/07</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Exposed soils were graded and seeded in some areas. 10/30/07</p> <p>Timber mats and fiber rolls remain in place at the bridge across Muddy Brook. 10/30/07</p> <p>The soil stockpile with the concrete basin has been removed and seeded as of 10/23. However, concrete testing samples remain in the wetland. 10/15-10/30/07</p> <p>Timber mats and silt fence remain in place at</p>	<p>Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-10/30/07</p> <p>Monitor and add controls around the disturbed area as needed. 10/30/07</p> <p>Monitor and add controls as needed adjacent to wetlands. 10/30/07</p> <p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 10/30/07</p> <p>Monitor the area for final stabilization. See spill section for more details on the concrete. 10/23-10/30/07</p> <p>Attempt to add appropriate controls</p>	<p>Needs regular attention</p> <p>Pad site removed and exposed area seeded.</p> <p>NA</p> <p>Monitor closely.</p> <p>Needs additional attention.</p> <p>Most issues are related to the landowner but</p>

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Tamarack Swamp Rd.	<p>the Stony Brook site access. The continued disturbance/fill of the exposed soil adjacent to wetlands off Williams Rd. was determined to be related to the landowner activities. No controls were added. 10/30/07</p> <p>A pad and foundation remain within wetlands with an adjacent area of standing water. Sediment from the foundation work had been pushed over the existing controls (noted 10/23), so new silt fence has been added to contain it. 10/30/07</p>	<p>between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 10/30/07</p> <p>Carefully pull back and remove remaining sediment from beyond the silt fence as soon as possible. 10/30/07</p>	<p>attempt to improve if feasible</p> <p>Additional controls were installed.</p>
Powers Rd. & Woodhouse Ave.	<p>In the process of removing timber mats, sediment was pushed over some controls (8/28). Soils exposed by timber mat removal were seeded, but not all stone was removed prior to seeding. 9/25-10/30/07</p>	<p>Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. 9/25-10/30/07 Crews will be returning here for line work, potentially disturbing the area again before final stabilization but temporary restoration to the extent feasible has been completed for the time being 10/30/07</p>	<p>Further attention is needed here during final stabilization.</p>
Woodhouse Ave. Harrison Rd.	<p>The large stockpile off of Woodhouse Ave. has been removed and seeded. 10/30/07</p> <p>Areas of Woodhouse Ave were graded, seeded and mulched but some vehicle tracks were noted in the reclaimed areas. 10/30/07</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. The large gully on the slope should be</p>	<p>Monitor controls until the area is stabilized. 10/30/07</p> <p>Avoid access once an area is temporarily or permanently stabilized. Repair ruts if necessary and monitor for stabilization. 10/30/07</p> <p>Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-10/30/07</p>	<p>Stockpile was removed.</p> <p>Areas were reclaimed but vehicle ruts were noted.</p> <p>Gully needs evaluation/attention.</p>

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>addressed. 9/25-10/30/07</p> <p>The soil stockpile and controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 10/30/07</p> <p>Reinforced controls remain at the foundation adjacent to a resource area. Exposed soils remain seeded and mulched. 10/30/07</p>	<p>Maintain controls and monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-10/30/07</p> <p>Maintain controls and monitor exposed soils for final stabilization. 10/30/07</p>	<p>NA at this time</p> <p>NA</p>
<p>Pent Rd. & Oliver Creek Rd.</p>	<p>No controls were added but stumps/roots were retained in the Quinnipiac's flood-plain, and streambank. 5/30-10/30/07</p>	<p>Add controls as needed and monitor the river closely. Vegetative cover/re-growth was noted along the slopes but proactive controls could still be beneficial. 10/15-10/30/07</p>	<p>Continue to monitor</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>Additional controls may be needed especially due to the steep slope off S. Turnpike. 10/10-10/30/07</p>	<p>Add controls as a precaution and monitor the area closely for erosion. 10/10-10/30/07</p>	<p>Continue to monitor</p>
<p>Mansion Rd. to Tuttle Ave.</p>	<p>Significant erosion/ sedimentation was observed during a heavy rainstorm (9/11). Water bars remain along the access road to contain run-off. 10/30/07</p>	<p>Monitor new controls for effectiveness and reinforce as necessary to protect wetlands. 10/30/07</p>	<p>NA at this time.</p>
<p>Old Farms Rd.</p>	<p>Turbid run-off was not noted this week, but it has been observed during heavy rains. 10/30/07</p>	<p>Stabilize disturbed areas to the extent feasible. Add controls as needed to contain the ROW. Protect receiving catch basins. A culvert should be considered at driveway crossings to prevent run-off. 10/30/07</p>	<p>Needs evaluation</p>
<p>Old Farms Rd. (115kV Underground work)</p>	<p>Soil in the adjacent shoulder remains graded and hydroseeded 10/30/07</p>	<p>Continue to monitor for stabilization. 10/30/07</p>	<p>NA</p>

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<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 10/30/07</p>	<p>Approved work in wetlands will follow the permit guidelines. 10/30/07</p>	<p>NA</p>
<p>Carpenter Ln. to Rte 68</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. 10/30/07</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. 10/30/07</p>	<p>Needs to be monitored</p>
<p>Durham Rd. Liney Hall Ln.</p>	<p>Timber mat staging areas and several structures are in place within wetlands off Carpenter Ln. Sediment was noted within controls, accumulating at the wetland edge (noted since 5/8) but is contained at this time. 10/30/07</p>	<p>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-10/30/07</p> <p>Identify all areas where final work is complete or activities will not return for 21 days and stabilize 10/23-10/30/07</p>	<p>Needs evaluation</p>
<p>Tamarac Swamp Road</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. 10/30/07</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. See spills section for information on concrete here. 10/30/07</p>	<p>NA</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>Pad and adjacent controls remain within wetlands. New silt fence was placed to contain the sediment that was pushed over controls and into the wetlands during foundation installation. 10/30/07</p>	<p>Continue to monitor controls and adjust as needed. Area is sensitive to erosion and should be monitored closely. Carefully remove any remaining sediment from the wetlands. 10/30/07</p>	<p>Silt fence installed. Needs to be monitored closely and needs some additional attention.</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>Some sedimentation was noted in the wetlands, pushed over the degraded controls where timber mats were removed. Exposed soils were seeded but stone was not removed from the wetland prior to seeding.</p>	<p>Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/10-10/30/07</p>	<p>Exposed soils were seeded but additional attention is needed</p>

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<p>Woodhouse Ave. Harrison Rd.</p> <p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd to Tuttle Ave.</p>	<p>10/10-10/30/07</p> <p>Run-off from an existing catch basin has formed a gully in the slope that ends at the wetland/stream. Filter socks remain to slow water flowing down the slope. 9/25-10/30/07</p> <p>Clearing is complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. 10/30/07</p> <p>Several wetland crossings are in place. Turbid water was overwhelming controls and entering wetlands during a heavy rain (9/11). Water bars and controls are in place to divert stormwater. 10/30/07</p>	<p>Monitor controls and continue stabilization efforts along the gully/washout. 9/25-10/30/07</p> <p>See erosion control section. Continue to monitor. Vegetative cover appears to be sufficient on the riverbank. 10/30/07</p> <p>See erosion controls section. Reinforce controls as needed as per the D&M plan. 10/30/07</p>	<p>Needs to be monitored</p> <p>NA</p> <p>Monitor controls for effectiveness.</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. 10/30/07</p> <p>Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Ln. the area is currently dry. This is not a state listed species issue but indicates good amphibian breeding habitat. 10/30/07</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</p>	<p>Continue to monitor area and retain distance from active work. 10/30/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 10/30/07</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in</p>	<p>NA</p> <p>NA</p> <p>Areas need to be monitored/swept regularly until the dormant season.</p>

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	<p>Tuttle Ave on 7/17/07. These areas were not marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDDB website. 10/30/07</p>	<p>this area before equipment progresses. The dormant season begins Nov. 1st 10/30/07</p>	
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Liney Hall Ln.</p> <p>Powers Rd.</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 Underground trench-work)</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 10/30/07</p> <p>Exposed areas were graded and mulched but some areas still need to be seeded. 10/30/07</p> <p>Crews have reclaimed a portion of the pad sites, removing stone and grading areas. 10/30/07</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 10/30/07</p> <p>Vegetation was retained where possible. Exposed soil areas off Docker Dr. remain mulched and seeded. Some equipment disturbance was noted as a result of active line work 10/15-10/30/07</p> <p>Hydroseed remains on the exposed soils along the edge of the roadway here. 10/30/07</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. 10/30/07</p> <p>Continue restoring sites whenever possible and stabilizing soils when work will not return in 21 days. 10/30/07</p> <p>Continue restoring sites whenever possible and stabilizing soils when work will not return in 21 days. 10/30/07</p> <p>Continue to monitor and replace shrubs if needed. 10/30/07</p> <p>See erosion control section. Continue to use low impact techniques and retain vegetation whenever feasible. 10/30/07</p> <p>Continue to monitor for stabilization. See EC Section. 10/30/07</p>	<p>NA</p> <p>Reclamation efforts were noted.</p> <p>Reclamation efforts were noted.</p> <p>NA at this time.</p> <p>NA at this time</p> <p>Grass growth noted</p>
<p>Dewatering</p>	<p>Dewatering had previously been required at the foundations installed south of Carpenter Ln. Some</p>	<p>Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when</p>	<p>Needs evaluation and attention.</p>

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	<p>slurry did migrate to the line of controls at the wetland. 5/8-10/30/07</p> <p>The foundation installed in wetlands off Tamarack Swamp required dewatering via pump truck. 10/30/07</p> <p>A slurry detention area was noted off Old Farms Rd. 10/30/07</p>	<p>dewatering. See erosion control section. 5/8-10/30/07</p> <p>Some sediment did migrate over controls within the wetland. See erosion control and wetlands sections 10/30/07</p> <p>Remove/reclaim any work areas that will not be accessed again. 10/30/07</p>	<p>Needs to be monitored</p> <p>NA at this time.</p>
Blasting	No blasting is proposed. 10/30/07	None	NA
<p>Spills, soils and material storage</p> <p>All Active Sites</p> <p>Liney Hall Ln.</p> <p>Tamarack Swamp Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. Small drip stains have been noted in several work areas along the ROW. 10/30/07</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 10/30/07</p> <p>Two excess concrete piles/ washouts were located within the wetlands. One was present on the timber mats and the 2nd was adjacent to the new foundation. 10/15-10/30/07</p> <p>The small hydraulic fluid/oil stains associated with two pieces of equipment have been removed from the stone pad. The equipment was relocated off site. 10/30/07</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. 10/30/07</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. 10/30/07</p> <p>Remove concrete from the wetlands. Concrete should never be washed out in or within 100 feet of wetlands. This includes concrete testing. 10/15-10/30/07</p> <p>Continue to maintain equipment as soon as possible and store equipment over 100 feet from wetlands when possible. 10/30/07</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Needs attention.</p> <p>Stains have been cleaned. Equipment was relocated.</p>



Carpenter Ln: Upland portion of the site has been mulched and seeded.



Liney Hall Rd: Exposed areas have been graded and mulched. However, not all exposed soils have been seeded.



Tamarack Swamp Rd: The sediment pushed beyond the original controls during the foundation installation were contained with additional controls. Remove any remaining sediment beyond the new silt fence.



Tamarack Swamp Rd: Three spill stains and the equipment stored adjacent to the wetlands have been removed from the site.



Woodhouse Ave: Soils were graded, mulched, and seeded. However, vehicle tracks were noted in the restored area.



Woodhouse Ave: Line work was underway.



Mansion Rd Apple Orchard: View of the culvert in place to reduce ponding on the access road.



Old Farms Rd: View of a slurry retention area and the adjacent areas of vegetated ROW.