

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 15, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.83” of precipitation was recorded in the week prior to inspection with 0.54” of the total reported on 10/11 (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. 10/15/07	See Erosion Control Section for more details 10/15/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. The access road is complete here. Sediment is accumulating along controls at drainage ditch. 8/28-10/15/07	Add controls as needed along the wetlands. See the erosion control section. 10/15/07	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. 10/15/07	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. 10/15/07	NA
	The tracking noted last week at High Hill Rd. was no longer observed. 10/15/07	Continue to sweep roadways near active work and add CB controls as needed. 10/15/07	NA
Durham Rd. Liney Hall Ln.	Access road construction is complete south off Durham Rd. An equipment bridge crossing is in place over the Muddy River	Continue to monitor and add controls as needed. 10/15/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Williams Rd. to East Center St.</p>	<p>tributary and a second bridge is in place off Liney Hall Rd. to access structure #24272. 10/15/07</p> <p>Stone is in place for access at a previously mowed area off Williams Rd. 10/15/07</p>	<p>Stone should be removed and lawn area should be restored upon completion of the project work. 10/15/07</p>	<p>NA</p>
<p>S. Turnpike + Merritt Parkway Area; 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 most entrances. 10/15/07</p>	<p>Continue to monitor entrances and sweep as needed. 10/15/07</p>	<p>NA</p>
<p>Powers Rd.</p>	<p>Partial reclamation efforts appear complete here however, some sediment/stone and mats remain in wetlands 10/10-10/15/07</p>	<p>See erosion control section. Carefully remove the remaining stone. 10/10-10/15/07</p>	<p>Restoration efforts were noted 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. 10/15/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. 10/15/07</p>	<p>NA at this time</p>
<p>Mansion Rd. Apple Orchard</p>	<p>A small channel was diverted/dug along the access road. Water has been pooling on the access road during storms. 6/19-10/15/07 Culverts were removed from the site, not installed. 10/15/07</p>	<p>It was determined in one of the two areas that a culvert would not be necessary. The second area still has the potential to be problematic, when equipment returns or rainy conditions occur. 10/15/07</p>	<p>Contractor has evaluated the area and will monitor.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize area along the access road but controls were overwhelmed during previous heavy rains and run-off was an issue. Ruts/washouts were noted along the slopes and access roads</p>	<p>Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). See erosion control section for more details. 10/15/07</p>	<p>NA</p>

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Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Line installation was underway from Harrison Rd to Docker Dr. 10/15/07	See EC section for more detail. 10/15/07	Monitor closely.
Pent Rd. & Oliver Creek Rd.	Structure installation continues, moving into the landfill. 10/15/07	Add/adjust controls as necessary. 10/15/07	NA
S. Turnpike + Merritt Parkway Area	Drilling was underway at structure #24225, located between the landfill and the Quinnipiac River. 10/15/07	Add controls as needed. Area appears stable. 10/15/07	NA.
Mansion Rd. Apple Orchard	Installation is scheduled to continue in this section between #24216-226 10/15/07	See erosion control section. Add controls as needed especially with several steep slopes. 10/15/07	NA
Old Farms Rd. (115kV Underground trench-work)	Foundation installation almost complete within the Orchard. 10/15/07	Add controls as needed near wetlands. 10/15/07	NA
Erosion and sediment controls	Line pulling equipment is onsite and structures are in place. 10/15/07	See access road and erosion control sections for more details. 10/15/07	NA
Carpenter Ln. to Rt. 68	Turbid run-off is filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-10/15/07	Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-10/15/07	Needs regular attention
Durham Rd.	The new access road and bridge installed south of Durham Rd. look good. Controls remain intact. 10/15/07	Monitor and add controls as needed adjacent to wetlands. 10/15/07	NA
Liney Hall Ln.	Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. 10/15/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 10/15/07	Monitor closely and increase controls as needed.
	The soil stockpile with the inadequate capacity concrete basin located upgradient from a wetland now has controls installed. 10/15/07	Monitor controls and remove stockpile as soon as possible. See spill section for more details on the concrete. 10/15/07	Controls were installed.

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Williams Rd to East Center St.	Timber mats and silt fence remain in place at 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. 10/15/07	Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 10/15/07	Most issues are related to the landowner but attempt to improve if feasible
Tamarack Swamp Rd.	A pad remains within wetlands and active drilling is occurring immediately adjacent to controls at an area of standing water. Sediment/spoil was being stock-piled without additional controls. 10/15/07	Monitor and reinforce controls as needed. Remove sediment stockpile from the area as soon as possible. 10/15/07	Needs evaluation.
Powers Rd. & Woodhouse Ave.	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. 9/25-10/15/07	Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. 9/25-10/15/07 Crews will be returning here for line work, potentially disturbing the area again before final stabilization but temporary restoration to the extent feasible is recommended for the time being 10/15/07	Further attention is needed here
	A large stockpile/exposed soil area remains off Woodhouse Ave. Large fiber rolls remain down-gradient to contain it. 10/15/07	Remove/stabilize stockpile when feasible and monitor controls. 10/15/07	NA at this time
	Controls, including several large fiber rolls remain along the slope and at the sediment trap. The large gully on the slope should be addressed. 9/25-10/15/07	Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-10/15/07	Gully needs evaluation/attention.
	The soil stockpile and controls remain off	Maintain controls and monitor exposed soils	NA at this time

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 10/15/07</p> <p>Reinforced controls remain at the foundation adjacent to a resource area. Exposed soils remain seeded and mulched. An eroded gully was noted. 10/15/07</p>	<p>monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-10/15/07</p> <p>Maintain controls and monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-10/10/07</p>	<p>Area is contained but the washout could use proactive attention.</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. 5/30-10/15/07</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. 10/15/07</p>	<p>Needs evaluation</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>A foundation was installed leaving a disturbed area at the top of slope off S. Turnpike. Additional controls may be needed especially due to the steep slope. 10/10-10/15/07</p>	<p>Add controls as a precaution and monitor the area closely for erosion. 10/10-10/15/07</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). Turbid water was flowing into wetlands from the culvert and off site. Washouts along the access road and slopes were noted. 10/15/07</p>	<p>Add controls as soon as possible to prevent erosion along the slopes and access road. Controls need to be reinforced at the culvert and exposed areas contributing to the run-off need stabilization to the extent feasible. 9/11-10/15/07</p>	<p>Needs attention</p>
<p>Old Farms Rd.</p>	<p>Turbid run-off was not noted this week, but it has been observed during heavy rains. 10/15/07</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. 10/15/07</p>	<p>Needs evaluation</p>

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Old Farms Rd. (115kV Underground work)	Soil in the adjacent shoulder remains graded and hydroseeded 10/15/07	Continue to monitor for stabilization. 10/15/07	NA
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 10/15/07	Approved work in wetlands will follow the permit guidelines. 10/15/07	NA
Carpenter Ln. to Rte 68	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 10/15/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 10/15/07	Needs to be monitored
Durham Rd. Liney Hall Ln.	Timber mat staging areas and several foundations are in place within wetlands off Carpenter Ln. Sediment was noted within controls, accumulating at the wetland edge. 5/8-10/15/07	Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-10/15/07	Needs evaluation
Tamarac Swamp Road	Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. 10/15/07	Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. See spills section for information on concrete here. 10/15/07	NA
Powers Rd. & Woodhouse Ave.	Pad and adjacent controls remain within wetlands. Drilling was underway within wetlands and generated spoils were being stockpiled. The foundation was directly adjacent to an area of standing water. 10/15/07	Monitor and adjust controls as needed, especially as work is so close to the water. Control and remove spoil as needed. 10/15/07	Needs to be monitored carefully.
	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	Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/10-10/15/07	Exposed soils were seeded but additional attention is needed

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Woodhouse Ave. Harrison Rd.	seeded but stone was not removed from the wetland prior to seeding. 10/10-10/15/07 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. 9/25-10/15/07	Monitor controls and continue stabilization efforts along the gully/washout. 10/15/07	Needs evaluation
Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area	Clearing is complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. More controls may be necessary. 8/7-10/15/07	See erosion control section. Continue to monitor. Additional controls should be considered as needed. 7/10-10/15/07 Vegetative cover appears to be sufficient on the river bank. 10/15/07	Needs evaluation
Mansion Rd. Apple Orchard	Pad site remains within the edge of a wetland as permitted. A culvert may be needed at one of two small, saturated crossings. 10/15/07	See access road section. Add culvert as needed. 10/15/07	Contractors state they will monitor and evaluate.
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. Turbid water was overwhelming controls and entering wetlands during a heavy rain (9/11). 10/15/07	See erosion controls section. Reinforce controls as needed. 10/15/07	Needs evaluation/attention.
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. 10/15/07	Continue to monitor area and retain distance from active work. 10/15/07	NA
Liney Hall Rd	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	Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 10/15/07	NA

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<p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>issue but indicates good amphibian breeding habitat. 10/15/07</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 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 NDDB website. 10/15/07</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 this area before equipment progresses. 10/15/07</p>	<p>Areas need to be monitored/swept regularly.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Durham Rd</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 10/15/07</p> <p>Crews were reclaiming a portion of the pad sites, removing stone, grading, and seeding the disturbed areas. 10/15/07</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 10/15/07</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 10/15/07</p> <p>Mulch remains on the slopes to prevent erosion. The riverbank appears to be fairly well vegetated. 10/15/07</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. 10/15/07</p> <p>Continue restoring sites whenever possible and stabilizing soils when work will not return. 10/15/07</p> <p>Continue to monitor and replace shrubs if needed. 10/15/07</p> <p>See erosion control section. Continue to use low impact techniques and retain vegetation whenever feasible. 10/15/07</p> <p>Monitor area and add controls or promote cover as needed. 10/15/07</p>	<p>NA</p> <p>Reclamation efforts were noted.</p> <p>NA at this time.</p> <p>NA at this time</p> <p>Riverbanks appear to have sufficient vegetative cover.</p>

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<p>Mansion Rd. to Tuttle Ave</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>10/15/07</p> <p>Clearing along slopes and wetlands had occurred. The steep slope was eroding and needs stabilization. 9/25-10/15/07</p> <p>Hydroseed remains on the exposed soils along the edge of the roadway here. Ruts were repaired. 10/15/07</p>	<p>Add controls and seed slopes as needed. Add an erosion control blanket if necessary. Monitor area closely. See erosion controls section. 9/25-10/15/07</p> <p>Continue to monitor for stabilization. See EC Section. 10/15/07</p>	<p>Needs attention.</p> <p>Grass growth noted</p>
<p>Dewatering</p>	<p>Dewatering had previously been required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-10/15/07</p> <p>Drilling within wetlands off Tamarack Swamp will require dewatering and spoils are being stockpiled. 10/15/07</p> <p>Spoil stockpiles were being removed off High Hill Rd. 10/15/07</p>	<p>Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-10/15/07</p> <p>Use appropriate containment. Remove the resulting soil stockpile as soon as possible. 10/15/07</p> <p>None at this time. 10/15/07</p>	<p>Needs evaluation and attention.</p> <p>Needs to be monitored</p> <p>Stockpiles were being removed.</p>
<p>Blasting</p>	<p>No blasting is proposed. 10/15/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</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. 10/15/07</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 10/15/07</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. 10/15/07</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. 10/15/07</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p>



High Hill Rd: Crews were removing soil stockpiles.



Liney Hall Ln: An excess concrete washout was noted within at the Wetland boundary.



Tamarack Swamp Rd: Foundation drilling in the wetlands continues.



Tamarack Swamp Rd.: Foundation drilling and stockpiling the resulting sediment/spoil continues. Continue to monitor very closely and carefully contain the work due to the adjacent area of standing water.



Powers Rd: Timber mats and stone/sediment were present within the wetland. Carefully remove sediment and reinforce controls.



Docker Dr: Exposed soils remain graded, mulched, and seeded. Crews were performing line work.



Pent Rd: View of foundation drilling underway at structure #24225, located between Wallingford landfill and the Quinnipiac River. This view also shows the extent of re-vegetation following the necessary clearing at the river.



Pent Rd: Foundation drilling continues.