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 23, 2007

Inspector: Matthew Creighton

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

Rainfall: 1.48" of precipitation was recorded in the week prior to inspection with 1.33" of the total

reported on 10/19 (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. 10/23/07	See Erosion Control Section for more details 10/23/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. One pad was being removed during the inspection. Sediment is accumulating along controls at drainage ditch. 8/28-10/23/07	Add controls as needed along the wetlands. See the erosion control section. 10/23/07	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. 10/23/07	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. 10/23/07	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. 10/23/07	Continue to monitor and add controls as needed. 10/23/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 10/23/07	Stone should be removed and lawn area should be restored upon completion of the project work.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
S. Turnpike + Merritt Parkway Area ; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	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. 10/23/07	10/23/07 Continue to monitor entrances and sweep as needed. 10/23/07	NA
Powers Rd.	Partial reclamation efforts continued here, some sediment/stone and mats remain in wetlands 10/10-10/23/07	See erosion control section. Carefully remove the remaining stone. 10/10-10/23/07	Restoration efforts had occurred but more attention is needed.
Pond Hill Rd. Docker Dr.	Timber mats remain in place at the wetland crossings off Pond Hill. 10/23/07	Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. 10/23/07	NA at this time
Mansion Rd. Apple Orchard	A small channel was diverted/dug along the access road and a culvert was installed to prevent water from pooling, 10/23/07	Monitor the area and add controls if needed. 10/23/07	A culvert was installed.
Mansion Rd to Tuttle Ave.	Due to previously observed ruts/washouts, water bars have been installed across the steep slope of the access road to slow and filter stormwater. 10/23/07	Retain the no access areas and monitor controls. See erosion control section for more details. 10/23/07	Water bars have been installed.
Old Farms Road	Plywood had been used on driveways crossing the ROW to reduce the impact from equipment. 10/23/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 10/23/07	NA
	Small pads and access- ways remain in place for laydown areas in the ROW. 10/23/07	Continue to monitor areas for erosion and install controls as needed. 10/23/07	NA
Old Farms Rd. (115kV Underground trench- work)	Hydroseed remains along the exposed soils at the edge of the roadway. 10/23/07	Continue to monitor until stabilization is achieved. 10/23/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-10/23/07	Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6- 10/23/07	Needs attention.
	The 2 nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-10/23/07	Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-10/23/07	Needs attention
Foundation and site construction			
Carpenter Lane, High Hill Rd., Rt 68	Foundation installation was complete off Carpenter Ln. Crews were removing stockpiles and a pad site. 10/23/07	See erosion control section for more details. 10/23/07	NA
Durham Rd. Liney Hall Lane Williams Rd to East Center St.	Poles have been delivered and are being installed in these sections. Foundation work appears complete from Liney Hall to Williams Rd. 10/23/07	See erosion control section for more details. 10/23/07	NA
Tamarack Swamp Rd.	Foundation installation was complete within wetlands but sediment was pushed beyond the controls. 10/23/07	See erosion control section for more details. 10/23/07	Needs attention
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Line installation was underway from Harrison Rd to Docker Dr. 10/23/07	See EC section for more detail. 10/23/07	Monitor closely.
Pent Rd. & Oliver Creek Rd.	Structure installation is complete moving into the landfill. 10/23/07	Add/adjust controls as necessary. 10/23/07	NA
	Drilling was complete at structure #24225, located between the landfill and the Quinnipiac River. 10/23/07	Add controls as needed. Area appears stable. 10/23/07	NA.
S. Tumpike + Merritt Parkway Area	Installation is scheduled to continue in this section between #24216-226 10/23/07	See erosion control section. Add controls as needed especially with several steep slopes.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
		10/23/07	
Mansion Rd. Apple Orchard	Foundation installation almost complete within the Orchard. 10/23/07	Add controls as needed near wetlands. 10/23/07	NA
Old Farms Rd. (115kV Underground trench- work)	Line pulling equipment is onsite and structures are in place. 10/23/07	See access road and erosion control sections for more details.	NA
Erosion and sediment controls Carpenter Ln. to Rt. 68	Turbid run-off is filtering through haybale check	Remove any accumulated sediment at the controls and stabilize area as soon	Needs regular attention
capate las to te to	dams before leaving the site. Sediment accumulation was noted here. 6/19-10/23/07	as work is complete. 6/19-10/23/07	
	A work pad was being removed from within the wetlands during the inspection. 10/23/07	Monitor and add controls around the disturbed area. Stabilize the area as soon as possible. Continue to determine any areas where final construction has occurred or activities will not return for 21 days. 10/23/07	Pad site being removed/ reclaimed.
Durham Rd.	Controls remain intact along the access road and bridge south of Durham Rd. Exposed soils were graded and seeded in some areas. 10/23/07	Monitor and add controls as needed adjacent to wetlands. 10/23/07	Some exposed soils were graded and seeded.
Liney Hall Ln.	Timber mats and fiber rolls remain in place at the bridge across Muddy Brook. 10/23/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 10/23/07	Monitor closely.
	The soil stockpile with the concrete basin has been removed and seeded. 10/23/07 However, concrete testing samples remain in the wetland. 10/15- 10/23/07	Monitor the area for final stabilization. See spill section for more details on the concrete. 10/23/07	Stockpile was removed. Needs additional attention.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. The continued	Attempt to add appropriate controls between the exposed soil and the undisturbed	Most issues are related to the landowner but attempt to improve if feasible

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 10/23/07	portion of wetlands even though landowner activities continue here 10/23/07	
Tamarack Swamp Rd.	A pad remains within wetlands and a foundation has been installed immediately adjacent to controls at an area of standing water. Sediment from the foundation work was pushed over the controls. 10/23/07	Carefully pull back and remove sediment from the controls as soon as possible. Controls should be reinforced but avoid placing a layer of controls without removing the sediment. 10/23/07	Needs attention.
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. 9/25-10/23/07	Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. 9/25-10/23/07 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. 10/23/07	Further attention is needed here during final stabilization.
	Crews were removing and reclaiming upland pads during the inspection. 10/23/07	Stabilize the area when pads are removed. Identify all areas where work is complete or will not return for at least 21 days and provide stabilization. 10/23/07	Reclamation efforts were noted
	A large stockpile/exposed soil area remains off Woodhouse Ave. Large fiber rolls remain down- gradient to contain it. 10/23/07	Remove/stabilize stockpile when feasible and monitor controls. 10/23/07	NA at this time
Woodhouse Ave. Harrison Rd.	Controls, including several large fiber rolls remain along the slope and at the sediment trap. The large gully on the slope should be	Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-10/23/07	Gully needs evaluation/ attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	slope should be addressed. 9/25-10/23/07		
	The soil stockpile and controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 10/23/07	Maintain controls and monitor exposed soils. The croded gully should be graded and stabilized to avoid undermining the controls. 10/2-10/23/07	NA at this time
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Reinforced controls remain at the foundation adjacent to a resource area. Exposed soils remain seeded and mulched. The eroded gully has been stabilized. 10/23/07	Maintain controls and monitor exposed soils for final stabilization. 10/10/07	The washout was stabilized.
Pent Rd. & Oliver Creek Rd.	No controls were added but stumps/roots were retained in the Quinnipiac's flood-plain, and streambank. 5/30- 10/23/07	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. 10/15-10/23/07	Continue to monitor
S. Tumpike + Merritt Parkway Area	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. 10/10-10/23/07	Add controls as a precaution and monitor the area closely for erosion. 10/10-10/23/07	Continue to monitor
Mansion Rd. to Tuttle Ave.	Significant erosion/ sedimentation was observed during a heavy rainstorm (9/11). Water bars have been installed along the access road to divert run-off. 10/23/07	Monitor new controls for effectiveness and reinforce as necessary to protect wetlands. 10/23/07	Water bars were added.
Old Farms Rd.	Turbid run-off was not noted this week, but it has been observed during heavy rains. 10/23/07	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 runoff. 10/23/07	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd. (115kV Underground work)	Soil in the adjacent shoulder remains graded and hydroseeded 10/23/07	Continue to monitor for stabilization. 10/23/07	NA
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands have been accessed (ACOE permit is in hand).	Approved work in wetlands will need to follow the permit guidelines. 10/23/07	NA
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 10/23/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 10/23/07	Needs to be monitored
Carpenter Ln. to Rte 68	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. 5/8-10/23/07	Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-10/23/07 Identify all areas where final work is complete or activities will not return for 21 days and stabilize 10/23/07	Needs evaluation
Durham Rd. Liney Hall Ln.	Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. 10/23/07	Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. See spills section for information on concrete here. 10/23/07	NA
Tamarac Swamp Road	Pad and adjacent controls remain within wetlands. Sediment from the foundation installation was pushed over controls and into the wetlands. 10/23/07	Sediment needs to be removed carefully from the wetlands. Do not reinforce controls until the sediment is pulled back. 10/23/07	Needs attention.
Powers Rd. & Woodhouse Ave.	Some sediment was noted in the wetlands, pushed over the degraded controls where timber mats were removed.	Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/10-10/23/07	Exposed soils were seeded but additional attention is needed

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Exposed soils were seeded but stone was not removed from the wetland prior to seeding, 10/10-10/23/07		
Woodhouse Ave. Harrison Rd.	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. 9/25-10/23/07	Monitor controls and continue stabilization efforts along the gully/washout. 9/25-10/23/07	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. 8/7-10/23/07	See erosion control section. Continue to monitor. Additional controls should be considered as needed. 7/10-10/23/07 Vegetative cover appears to be sufficient on the river bank. 10/23/07	Needs evaluation
Mansion Rd. Apple Orchard	Pad site remains within the edge of a wetland as permitted. A culvert was installed to alleviate ponding water on the access road. 10/23/07	See access road section. 10/23/07	Culvert was installed
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). Contractors added water bars and controls to divert stormwater. 10/23/07	See erosion controls section. Reinforce controls as needed. 10/23/07	Water bars were installed.
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, 10/23/07	Continue to monitor area and retain distance from active work. 10/23/07	NA
Liney Hall Rd	Several frog and salamander egg masses were previously noted within prime amphibian	Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has moneyed the area.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 10/23/07	has mowed the area. 10/23/07	
Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave	Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. These areas were not marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 10/23/07	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. The dormant season begins Nov. 1st 10/23/07	Areas need to be monitored/swept regularly until the dormant season.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 10/23/07	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. 10/23/07	NA
Durham Rd.	Minor clearing at the edge of the ROW was underway. 10/23/07	Monitor controls for impacts and adjust as needed. 10/23/07	NA
Powers Rd.	Crews were reclaiming a portion of the upland pad sites, removing stone and grading areas. 10/23/07	Continue restoring sites whenever possible and stabilizing soils when work will not return in 21 days. 10/23/07	Reclamation efforts were noted.
Woodhouse Ave and Harrison Rd.	As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook 10/23/07	Continue to monitor and replace shrubs if needed. 10/23/07	NA at this time.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Vegetation was retained where possible. Exposed soil areas off Docker Dr. remain mulched and seeded. Some equipment	See erosion control section. Continue to use low impact techniques and retain vegetation whenever feasible.	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	disturbance was noted as a result of active line work 10/15-10/23/07	10/23/07	
S. Turnpike + Merritt Parkway Area	Mulch remains on the slopes to prevent erosion. The riverbank appears to be fairly well vegetated. 10/23/07	Monitor area and add controls or promote cover as needed. 10/23/07	Riverbanks appear to have sufficient vegetative cover.
Mansion Rd. to Tuttle Ave	Steep slopes adjacent to the road have seed and mulch and waterbars were added to the road. 10/23/07	Add controls as needed to stabilize. See erosion controls section. 10/23/07	Water bars added.
Old Farms Rd. (115kV Underground trench- work)	Hydroseed remains on the exposed soils along the edge of the roadway here. 10/23/07	Continue to monitor for stabilization. See EC Section. 10/23/07	Grass growth noted
Dewatering	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. 5/8-10/23/07	Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-10/23/07	Needs evaluation.
	The foundation installed in wetlands off Tamarack Swamp Rd required dewatering via pump truck. The spoil stockpile was removed but some sediment was pushed over controls. 10/23/07	Dewatering was contained but some sediment did overwhelm controls within the wetland during construction. See the erosion control section. 10/23/07	The spoil pile was removed.
Blasting	No blasting is proposed. 10/23/07	None	NA
Spills, soils and material storage	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. 10/23/07	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. 10/23/07	Needs regular attention.
All Active Sites	Many active sites continue to have small stockpiles associated with	Monitor equipment closely for leaks as they move from site to site to	Continue to monitor throughout construction.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	drilling and stored equipment during the construction process. 10/23/07	prevent repeated problems. Always contain and control stockpiles as soon as possible. 10/23/07	
Durham Rd.	Leaking equipment was removed from the site. 10/23/07	None. 10/23/07	Equipment was removed.
Liney Hall Ln.	Two excess concrete piles/ washouts were located within the wetlands. One was present on the timber mats and the 2 nd was adjacent to the new foundation. 10/15-10/23/07	Remove concrete from the wetlands. Concrete should never be washed out in or within 100 feet of wetlands. This includes concrete testing, 10/15-10/23/07	Needs attention.
Tamarack Swamp Rd.	Three small hydraulic fluid/oil stains associated with two pieces of equipment were noted on the stone pad adjacent to wetlands. 10/23/07	Remove affected stone/soils and add spill controls under the equipment. Repair equipment as soon as possible and keep equipment out of wetlands until repairs are made. 10/23/07	Needs attention.
Additional Observations	None 10/23/07	None	

Next likely scheduled	
inspection:	Tuesday October 30, 2007

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: Crews were removing soil stockpiles.



Tamarack Swamp Rd: Foundation was installed, but sediment was piled/pushed beyond the controls. Carefully pull sediment back and then reinforce controls. Avoid adding another layer of controls prior to removing the sediment.



Durham Rd: Exposed soils were graded and seeded.



Tamarack Swamp Rd.: One of three stains/drip spots associated with leaking equipment and noted adjacent to the wetlands.



Powers Rd: Crews were reclaiming a pad site in the uplands.



Docker Dr. Some exposed soils remain graded, mulched, and seeded. Crews were performing line work.



Mansion Rd Apple Orchard: Culvert was installed to reduce ponding on the access road.



Tuttle Dr: Water bars were installed along the access road to divert stormwater into detention areas.