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 2, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.47" of precipitation was recorded in the week prior to inspection with 0.44" of the total

reported on 9/27 (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. 10/2/07	See Erosion Control Section for more details 10/2/07	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. 8/28-10/2/07	Add controls as needed along the wetlands. See the erosion control section. 10/2/07	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. 10/2/07	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. 10/2/07	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 tributary and a second bridge is in place off Liney Hall Rd. to access structure #24272.	Continue to monitor and add controls as needed. 10/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 10/2/07	Stone should be removed and lawn area should be restored upon completion of the project work. 10/2/07	NA
S. Tumpike + 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. 10/2/07	Continue to monitor entrances and sweep as needed. 10/2/07	NA
Powers Rd.	Most of the timber mats have been removed from the staging area within the wetland area. Restoration efforts are complete for now as crews reclaimed portions of the access road by removing stone and narrowing the roadway. 10/2/07	Carefully grade the area and add controls for stabilization. See erosion control section. 8/28- 10/2/07	Portions of the access road stone was removed and the area was restored.
Pond Hill Rd. Docker Dr.	Timber mats remain in place at the wetland crossings off Pond Hill. The large exposed/disturbed area off Docker Dr. has been mulched/seeded and new controls were added. 10/2/07	Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. 10/2/07	The area was graded, mulched and seeded.
Mansion Rd. Apple Orchard	A small channel was diverted/dug along the access road. Water has been pooling on the access road during storms. 6/19-10/2/07 Culverts are onsite but not installed. 7/10-10/2/07	Monitor and add controls along wetland as needed and install culverts to prevent water from pooling on the access road. 10/2/07	Needs evaluation and attention.
Mansion Rd to Tuttle Ave.	Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize area along the access road but controls were overwhelmed during heavy rains and run-off was an issue.	Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). See erosion control section for more details. 10/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Ruts/washouts were noted along the slopes and access roads. 10/2/07		
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 10/2/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 10/2/07	NA
	Small pads and access- ways remain in place for laydown areas along the underground section 10/2/07	Continue to monitor areas for erosion and install controls as needed. 10/2/07	NA
Old Farms Rd. (115kV Underground trench- work)	Hydroseed has been applied to the exposed soils along the edge of the roadway. 10/2/07	Continue to monitor until stabilization is achieved. 10/2/07	Hydroseed has been applied to disturbed areas
	It appears paving is complete. The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-10/2/07	Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-10/2/07	Needs attention.
	The damaged driveway was repaired with asphalt. However, the damaged portion consisted of a brick paver and should be consistent 9/6-10/2/07	Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-10/2/07	Needs attention
Foundation and site construction			
Carpenter Lane	A new pad was installed within the wetland area here. Line work was also noted. 10/2/07	See wetland section for more details. 10/2/07	NA
Durham Rd. Liney Hall Lane Williams Rd to East Center St.	Poles have been delivered to these sites. Foundation work underway from Durham Rd. to Williams Rd. 10/2/07	See erosion control section. 10/2/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Structure installation is complete off Docker Dr. Disturbed/exposed areas	See EC section for more detail. 10/2/07	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	were seeded and mulched. 10/2/07		
Pent Rd. & Oliver Creek Rd.	Structure installation is complete. 10/2/07	Add/adjust controls as necessary. 10/2/07	NA
S. Tumpike + Merritt Parkway Area	Foundation drilling and installation continues off South Tumpike, adjacent to the Merritt Parkway. 10/2/07	See erosion control section. Add controls as needed especially with the steep slope. 10/2/07	NA
Mansion Rd. Apple Orchard	Foundation drilling was underway within the Orchard. 10/2/07	Add controls as needed near wetlands. 10/2/07	NA
Old Farms Rd. (115kV Underground trench- work)	Line pulling equipment is onsite and structures were in place. 10/2/07	See access road and erosion control sections for more details. 10/2/07	NA
Erosion and sediment controls Carpenter Ln. to Rt. 68	Turbid run-off is filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-10/2/07	Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-10/2/07	Check dams are functioning well but needs regular attention
Durham Rd.	The access road and equipment bridge south of Durham Rd. remain in good shape. Controls remain intact. 10/2/07	Monitor and add controls as needed adjacent to wetlands. 10/2/07	NA
Liney Hall Ln.	Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. Drilling underway during the inspection. 10/2/07	Monitor and add controls along the road as needed. Stabilize the area impacted by timber mats. 10/2/07	NA at this time.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. No controls added at landowner disturbed area off Williams Rd. Drilling was underway off Williams Rd. 10/2/07	Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 10/2/07	Most issues are related to the landowner but attempt to improve if feasible
Tamarack Swamp Rd.	Small pad remains within wetlands. Controls are in place. 10/2/07	Monitor and adjust controls as needed. 10/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
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 9/25-10/2/07	Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. Continue to monitor for stabilization. 9/25- 10/2/07	Soils were seeded but further attention is needed here
	Stone access remains within the wetlands off Powers Rd. but the contractor has removed stone within the wetlands along the edge of the access road, narrowing it and reducing current impacts. 10/2/07	Ensure that controls are adequate to filter run-off at this location. Stabilize the area as soon as possible. 10/2/07	Stone was removed from the wetland along the edge of the access road
	A large stockpile/exposed soil area remains off Woodhouse Ave. Large fiber rolls remain downgradient. 10/2/07	Remove/stabilize stockpile when feasible and monitor controls. 10/2/07	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 addressed. 9/25-10/2/07	Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-10/2/07	Gully needs evaluation/ attention.
	The soil stockpile remains off Harrison Rd. Additional controls were installed. The planted shrubs along the stream channel are in good shape. 10/2/07	Monitor controls around the stockpile and remove the soil when feasible. Monitor new plantings and replace if needed. See Vegetative Clearing and Stabilization Section. 10/2/07	NA at this time
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	A new fiber roll was installed where controls were being overwhelmed by sediment at a new foundation adjacent to a resource area. Exposed soils have been seeded and mulched. An eroded gully remains. 10/2/07	Maintain controls and monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2/07	Exposed soils have been seeded; controls have been reinforced.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Pent Rd. & Oliver Creek Rd.	Clearing is complete within the Quinnipiac flood-plain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-10/2/07	Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-10/2/07	Needs evaluation
S. Turnpike + 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. 10/2/07	Add controls as a precaution and monitor the area closely for erosion. 10/2/07	Needs evaluation
Mansion Rd. Apple Orchard	A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road at two locations. 6/19-10/2/07	A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-10/2/07	Needs evaluation
Mansion Rd. to Tuttle Ave.	Drilling was occurring upgradient from wetlands. Ensure the area is contained with controls. 10/2/07	Add controls as necessary. 10/2/07	Needs confirmation that the area is contained.
	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. 10/2/07	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 runoff need stabilization to the extent feasible. 9/11-10/2/07	Needs attention
Old Farms Rd.	Turbid run-off was not noted this week, but it has been observed during heavy rains. 10/2/07	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. 10/2/07	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd. (115kV Underground work)	Soil in the adjacent shoulder has been graded and hydroseeded. Some ruts were noted. 10/2/07	Continue to monitor for stabilization. Repair ruts if necessary. 10/2/07	Soil has been hydroseeded.
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 10/2/07	Approved work in wetlands will follow the permit guidelines. 10/2/07	NA
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 10/2/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 10/2/07	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. 5/8-10/2/07	Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8- 10/2/07	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. Controls were installed. Drilling underway within wetlands. 10/2/07	Continue to monitor and add controls at needed. Monitor the bridge surface for sediment tracking. Continue to keep up with spoil as it is generate. 10/2/07	NA at this time
Williams Rd to East Center St.	The continued disturbance/fill of the exposed soil adjacent to wetlands in this section was determined to be related to the landowner activities. 10/2/07	See erosion control section for more details. 10/2/07	Most issues are related to the landowner but attempt to improve if feasible
Powers Rd. & Woodhouse Ave.	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 romoved from the	Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/2/07	Exposed soils were seeded but additional attention is needed

Areas of Inspection	Observation	Recommended Action	Corrected Action
	removed from the wetland prior to seeding. 10/2/07		
	Crews have reclaimed sections of wetlands off Powers Rd. by removing stone from the edge of the access road. 10/2/07	Continue to monitor for final stabilization. 10/2/07	Stone removed from edge of access road to reclaim wetlands.
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. 9/25-10/2/07	Monitor controls and continue stabilization efforts along the gully/washout. 10/2/07	Needs evaluation
Pond Hill Rd. & Docker Dr. (I 91 - Rte. 5)	The new pad/foundation area where run-off overwhelmed controls and entered the wetlands has been seeded. Controls were reinforced. 10/2/07	See erosion control section. 10/2/07	Controls were reinforced.
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. 8/7-10/2/07 Work is occurring upgradient on a steep slope. 10/2/07	See erosion control section. Continue to monitor. Retain as much vegetation as feasible and reduce soil disturbance. Additional controls should be considered due to the steep slope. Install EC blankets if needed. 7/10-10/2/07.	Needs evaluation/ attention
Mansion Rd. Apple Orchard	Pad site remains within the edge of a wetland as permitted. Culverts are also needed at two small- saturated crossings. 10/2/07	See erosion control section. Add culvert as needed. 10/2/07	Needs additional evaluation
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). 10/2/07	See erosion controls section. Reinforce controls as needed. 10/2/07	Needs evaluation/ attention.
State species of concern, threatened and endangered	A no entry sign remains near the potential vernal pool off Stony Brook Rd.	Continue to monitor area and retain distance from active work. 10/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
species.	as an appropriate alternative to construction fencing. 10/2/07		
Liney Hall Rd	Several frog and salamander egg masses were previously noted within a pool located off Liney Hall Ln. but the pool is now dry. This is not a state listed species issue but indicates good amphibian breeding habitat. Area around the VP was mowed. 10/2/07	Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner may have mowed the area. 10/2/07	NA
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. 10/2/07	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. 10/2/07	Areas need to be monitored/swept regularly.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 10/2/07	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. 10/2/07	NA
Williams Rd to East Center St.	Some areas of exposed soil need controls, but areas that were disturbed by clearing have started to revegetate 10/2/07	Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section 10/2/07	Needs evaluation and attention
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. 10/2/07	Continue to monitor and replace shrubs if needed. 10/2/07	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Grass growth continues in mulched areas near structure #8803A. 10/2/07.	Continue to monitor for stabilization. Good revegetation was noted in the new section of ROW. 10/2/07	NA at this time
Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Vegetation was retained where possible. Seemingly excessive grading/disturbance was noted in two areas off Docker Dr. Areas have been mulched and seeded. 10/2/07	See erosion control section. Continue to use low impact techniques and retain vegetation and appropriate species. 10/2/07	Restoration was noted.
S. Tumpike + Merritt Parkway Area	Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 10/2/07	Monitor area and add controls as needed. 10/2/07	Needs evaluation/ attention
Mansion Rd. to Tuttle Ave	Clearing along slopes and wetlands had occurred. The steep slope was eroding and needs stabilization. 9/25-10/2/07	Add controls and seed slopes as needed. Add an erosion control blanket if necessary. Monitor area closely. See erosion controls section. 9/25-10/2/07	Needs attention.
Old Farms Rd.	Minor, selective clearing appears to be complete at this time within some wetland areas around pad sites. 10/2/07	Continue to monitor and add controls as needed. 10/2/07	NA
Old Farms Rd. (115kV Underground trench- work)	Hydroseed was applied to the exposed soils along the edge of the roadway here. Ruts were noted. 10/2/07	Continue to monitor for stabilization. See EC Section. 10/2/07	Hydroseed has been applied to disturbed areas.
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. 5/8-10/2/07	Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-10/2/07	Needs evaluation and attention.
	Drilling within wetlands off Liney Hall may require dewatering and	Add controls as needed around slurry piles and remove as soon as	Monitor closely

Areas of Inspection	Observation	Recommended Action	Corrected Action
	slurry removal. 10/2/07	possible. 10/2/07	
	Some slurry washout was noted near the erosion controls as a result of dewatering off Docker Dr. (9/6). 10/2/07	Keep slurry away from controls and monitor the area. 10/2/07	Needs attention.
Blasting	No blasting is proposed. 10/2/07	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. 10/2/07	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. 10/2/07	Needs regular attention.
All Active Sites	Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 10/2/07	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. 10/2/07	Continue to monitor throughout construction.
Durham Rd.	Leaking equipment was parked with appropriate spill containment controls in place. 9/25-10/2/07	Spill controls should be maintained and refreshed as needed until equipment is repaired. Avoid using equipment in wetlands/sensitive areas and remove any affected soils as soon as possible. 9/25-10/2/07	Leaking equipment needs maintenance. Controls are in place.
Additional Observations	None 10/2/07	None	

Next likely scheduled	
inspection:	Monday October 8, 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: Line work is underway.



Liney Hall Ln: Crews were working within a wetland, drilling a foundation. $\,$



Durham Rd: View of leaking equipment with controls in place. Repair the equipment as soon as feasible.



Powers Rd: Restoration efforts adjacent to wetlands are complete for now.



Harrison Rd: Fiber sock installed along the pad site and stockpile.



Docker Dr. A silt sock was installed upgradient from the wetlands at the new foundation where controls were overwhelmed last week. The disturbed area was mulched. Regrade and stabilize the small, eroded channel as needed.



Docker Dr. Exposed soils have been graded, mulched, and seeded.



South Tumpike: Disturbed area remains at the top of slope. The foundation was installed.



Orchard: Foundation drilling was occurring within the apple orchard, upgradient from the wetlands.



Old Farms Rd: View of the hydroseeded area with some equipment ruts.



Tuttle Ave: Pole installation equipment was being stored here.



Old Farms Rd: New poles were installed along the ROW.