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: November 6, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.85" of precipitation was recorded in the week prior to inspection with 0.67" of the total

reported on 11/6 (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. 11/6/07	See Erosion Control Section for more details 11/6/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. Sediment is accumulating along controls at drainage ditch. 8/28-11/6/07 Turbid run-off was noted in the wetlands during a rain event. 11/6/07	Add controls as needed along the wetlands. See the erosion control section for more details. 11/6/07	Needs 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. 11/6/07	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. 11/6/07	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. 11/6/07	Continue to monitor and add controls as needed. 11/6/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams	Stone should be removed and lawn area should be restored upon completion	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Rd. 11/6/07	of the project work. 11/6/07	
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 locations. 11/6/07	Continue to monitor entrances and sweep as needed. 11/6/07	NA
Powers Rd.	Partial reclamation efforts noted here, some sediment/stone and mats remain in wetlands 10/10-11/6/07	See erosion control section. Carefully remove the remaining stone. 10/10-11/6/07	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 HillRd. Turbid water noted pooling against controls off Docker. Dr. 11/6/07	Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings and along slopes as necessary. 11/6/07	Needs additional attention.
Mansion Rd. Apple Orchard	A culvert remains in place to help prevent ponding in the access road. 11/6/07	Monitor the area and add controls if needed. 10/30/07	NA at this time
Mansion Rd to Tuttle Ave.	Due to previously observed ruts/washouts, water bars remain in place across the steep slope of the access road to slow and filter stormwater. 11/6/07	Retain the no access areas and monitor controls. See erosion control section for more details. 11/6/07	NA at this time
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 11/6/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 11/6/07	NA
	Turbid water was noted flowing onto the roadway from an exposed slope at structure #24209 in the ROW. The run-off was entering a catch basin. 11/6/07	Additional controls are needed along the slope and access road in the ROW to contain sediment. Ensure proper controls are in the catch basin. 11/6/07	Needs attention.
Old Farms Rd. (115kV	Hydroseed remains along	Continue to monitor until	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Underground trench- work)	the exposed soils at the edge of the roadway. 11/6/07	stabilization is achieved. 11/6/07	
	The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-11/6/07	Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6- 11/6/07	Needs attention.
	The 2 nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-11/6/07	Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-11/6/07	Needs attention
Foundation and site construction	No new work off	See erosion control	NA
Carpenter Lane, High Hill Rd., Rt 68	Carpenter Ln since crews removed one pad site and added seed and hay. 11/6/07	section and continue to restore the area. 11/6/07	NA
Durham Rd. Liney Hall Lane Williams Rd to East Center St.	Foundation/pole work appears complete from Durham to Williams Rd. 11/6/07	See erosion control section for more details. 11/6/07	NA
Tamarack Swamp Rd.	No new work since the foundation was installed within wetlands. 11/6/07	Monitor new controls and add more as needed. See erosion control section for more details. 11/6/07	NA.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	No new work since line installation was completed. 11/6/07	See EC section for more detail. 11/6/07	Monitor closely.
Pent Rd. & Oliver Creek Rd.	No new activity since line work was underway, moving into the landfill. 11/6/07	Add/adjust controls as necessary. 11/6/07	NA
S. Tumpike + Merritt Parkway Area	Pole installation is complete. 11/6/07	None at this time. 11/6/07	NA
Mansion Rd. Apple Orchard	Pole installation is underway within the Orchard. 11/6/07	Add controls as needed near wetlands. See erosion control section 11/6/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls Carpenter Ln. to Rt. 68	Sediment accumulation was noted here at controls (since 6/19). During the rain event, turbid water was noted within wetlands. Haybales have deteriorated and can no longer filter sediment. 11/6/07	Remove any accumulated sediment and stabilize the area. 6/19-11/6/07 Replace controls and reinforce them around disturbed areas along the wetlands and access roads. Any areas where work will not return for 21 days needs temp. stabilization. 11/6/07	Needs attention
	Some areas remain exposed following partial restoration efforts in the area. Turbid run-off was noted flowing into the wetlands. Controls are needed around the pad. 11/6/07	Add controls adjacent to wetlands. Any areas where work will not return for 21 days need temporary stabilization. 11/6/07	Needs attention.
Durham Rd.	Controls remain intact along the access road and bridge south of Durham Rd. Exposed soils were graded and seeded in some areas. 11/6/07	Monitor and add controls as needed adjacent to wetlands. 10/30/07	NA
Liney Hall Ln.	Timber mats and fiber rolls remain in place at the bridge across Muddy Brook. 11/6/07	Monitor and add controls along the road as needed. Stabilize the area impacted by timber mats. 11/6/07	Monitor closely and increase controls as needed.
	Adjacent areas remain seeded. Concrete testing samples remain in the wetland. 10/15-11/6/07	Monitor the area for final stabilization. See spill section for more details on the concrete. 10/23-11/6/07	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 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. 11/6/07	Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 11/6/07	Most issues are related to the landowner but attempt to improve if feasible
Tamarack Swamp Rd.	A pad and foundation remain within wetlands	Carefully pull back and	Additional attention is

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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 was added (10/30) to contain it. However, some sediment remains beyond the fence. 11/6/07	remove remaining sediment from beyond the silt fence as soon as possible. 10/30-11/6/07	needed.
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. 9/25-11/6/07	Remove the stone from the wetlands to the extent feasible and stabilize the exposed soil with a wetland seed mix. 9/25-11/6/07 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. 11/6/07	Further attention is needed here during final stabilization.
	The previous stockpile area off Woodhouse Ave. remains mulched and seeded with controls in place. Some vehicle tracks were noted in the reclaimed areas. 11/6/07	Monitor controls until area is stabilized. Avoid access once an area is temporarily or permanently stabilized. Repair ruts if necessary and monitor for stabilization. 11/6/07	Areas were reclaimed but vehicle ruts were noted.
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. 9/25-11/6/07	Continue to monitor and adjust controls as needed. Attempt to repair/stabilize the gully. 9/25-11/6/07	Gully needs evaluation/ attention.
	The soil stockpile and controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 11/6/07	Maintain controls and monitor exposed soils. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-11/6/07	NA at this time
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Turbid water was noted ponding at the edge of	Maintain controls and monitor exposed soils.	Needs evaluation.

Observation	Recommended Action	Corrected Action
the controls off Docker Dr, but it remains contained for now. Large areas of exposed soils had previously been seeded but it appears some seed has washed away. 11/6/07	Additional mulch may be needed this time of year to encourage stabilization. 11/6/07	
The water bars installed along the access road appear to be sufficient as no run-off was noted during this week's rain event. 11/6/07	Monitor new controls for effectiveness and reinforce as necessary to protect wetlands. 11/6/07	No run-off noted during the rain event.
Turbid run-off was noted this week, flowing from exposed soil near structure #24209 into catch basins in the roadway and eventually to off-site wetlands. 11/6/07	Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and filter run-off. Monitor receiving catch basins controls. A culvert should be considered at driveway crossings to reduce run-off. 11/6/07	Needs attention
Jurisdictional wetlands can be accessed now that ACOE permit is in hand.	Approved work in wetlands will follow the permit guidelines. 11/6/07	NA
Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 11/6/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 11/6/07	Needs to be monitored
Timber mat staging areas and several structures are in place within wetlands off Carpenter Ln. Sediment was noted accumulating but contained at controls at the wetland edge (noted since 5/8) However, controls are deteriorating and turbid water was	Remove sediment from wetlands before removing controls. Monitor for runoff. 5/8-11/6/07 Replace the deteriorating controls and reinforce controls between the exposed work areas and the wetlands. Remove accumulated sediment.	Needs attention
	the controls off Docker Dr, but it remains contained for now. Large areas of exposed soils had previously been seeded but it appears some seed has washed away. 11/6/07 The water bars installed along the access road appear to be sufficient as no run-off was noted during this week's rain event. 11/6/07 Turbid run-off was noted this week, flowing from exposed soil near structure #24209 into catch basins in the roadway and eventually to off-site wetlands. 11/6/07 Jurisdictional wetlands can be accessed now that ACOE permit is in hand. Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 11/6/07 Timber mat staging areas and several structures are in place within wetlands off Carpenter Ln. Sediment was noted accumulating but contained at controls at the wetland edge (noted since 5/8) However, controls are deteriorating	the controls off Docker Dr, but it remains contained for now. Large areas of exposed soils had previously been seeded but it appears some seed has washed away. 11/6/07 The water bars installed along the access road appear to be sufficient as no run-off was noted during this week's rain event. 11/6/07 Turbid run-off was noted this week, flowing from exposed soil near structure #24209 into catch basins in the roadway and eventually to off-site wetlands. 11/6/07 Jurisdictional wetlands can be accessed now that ACOE permit is in hand. Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 11/6/07 Timber mat staging areas and several structures are in place within wetlands off Carpenter Ln. Sediment was noted accumulating but contained at controls at the wetland edge (noted since 5/8) However, controls are deteriorating on trols are deteriorating controls are deteriorating to encourage stabilization. 11/6/07 Monitor new controls for effectiveness and reinforce as necessary to protect wetlands. 11/6/07 Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and controls. A culvert should be considered at driveway crossings to reduce run-off. 11/6/07 The water bars installed along the access road appear to be sufficient as no run-off was noted the extent feasible. Add controls as needed this time of year to encourage stabilization. 11/6/07 Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and controls. A culvert should be considered at driveway crossings to reduce run-off. 11/6/07 This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 11/6/07

Areas of Inspection	Observation	Recommended Action	Corrected Action
	surrounding disturbed areas. 11/6/07		
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. 11/6/07	Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. See spills section for information on concrete here. 11/6/07	NA
Tamarac Swamp Road	Pad and adjacent controls remain within wetlands. New silt fence was in place around the exposed soil at the foundation. However, some of the sediment that was pushed over original controls into wetlands was not fully contained. 11/6/07	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 11/6/07	Needs to be monitored closely and needs some additional attention.
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 removed from the wetland prior to seeding, 10/10-11/6/07	Remove the remaining sediment/stone from the wetlands to the extent feasible. 10/10-11/6/07	Exposed soils were seeded but additional attention is needed
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. 9/25-11/6/07	Monitor controls and continue stabilization efforts along the gully/washout. 11/6/07	Needs to be monitored
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. 11/6/07	Continue to monitor. Vegetative cover appears to be sufficient on the riverbank. 11/6/07	NA
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. Water bars and controls are in place to divert stormwater. The controls appear to be working during this most	Monitor and maintain new controls. 11/6/07	Controls appear to contain and filter run-off.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	recent rain event. 11/6/07		
Old Farms Rd.	Turbid water was flowing from a pad site onto the roadway and into a catch basin. This eventually flows into wetlands offsite. 11/6/07	Additional controls are needed within the catch basins and along the disturbed slope. 11/6/07	Needs 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. 11/6/07	Continue to monitor area and retain distance from active work. 11/6/07	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 issue but indicates good amphibian breeding habitat. 11/6/07	Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 11/6/07	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. 11/6/07	Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1 st and sweeps for turtles are not required until active season begins in April. 11/6/07	NA at this time.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 11/6/07	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. 11/6/07	NA
Powers Rd.	Crews have reclaimed a portion of the pad sites,	Continue restoring sites whenever possible and	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	removing stone and grading areas. 11/6/07	stabilizing soils when work will not return in 21 days. 11/6/07	
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 11/6/07	Continue to monitor and replace shrubs if needed. 11/6/07	NA at this time.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Some large areas of exposed soil areas off Docker Dr. have minor grass growth however; most of the seed/hay appears to have washed away and turbid run-off was resulting 11/6/07	See erosion control section. Apply additional mulch to encourage stabilization at this time of year. 11/6/07	Needs additional attention.
S. Turnpike + Merritt Parkway Area	The majority of these areas have revegetated and appear to be stable. 11/6/07	Monitor area and add controls or promote cover as needed. 11/6/07	Riverbanks appear to have sufficient vegetative cover.
Old Farms Rd. (115kV Underground trench- work)	Turbid water was noted flowing from exposed areas on the ROW into catch basins and off-site wetlands. Some seed may have washed away in the run-off. 11/6/07	Work on stabilizing soils here when work will not return in 21 days. Apply mulch to encourage stabilization at this time of year. 11/6/07	Needs additional attention.
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. 5/8-11/6/07	Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-11/6/07	Needs evaluation and attention.
	Foundation installed in wetlands off Tamarack Swamp required dewatering via pump truck but active dewatering was no longer occurring. 11/6/07	Some sediment did migrate over controls within the wetland. See erosion control and wetlands sections 10/30- 11/6/07	Needs to be monitored
	A slurry detention area remains off Old Farms Rd. 11/6/07	Remove/reclaim any work areas that will not be accessed again. 11/6/07	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed. 11/6/07	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. 11/6/07	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. 11/6/07	Needs regular attention.
All Active Sites	Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 11/6/07	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. 11/6/07	Continue to monitor throughout construction.
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. 10/15-11/6/07	Remove concrete from the wetlands. Concrete should never be washed out in or within 100 feet of wetlands. This includes concrete testing, 10/15-11/6/07	Needs attention.
Pond Hill Road	Sediment from several sites is being brought to an upland location east off Pond Hill Rd. and stockpiled. The sediment was overwhelming the fiber rolls in place. 11/6/07	The stockpile should be stabilized if it will be left for an extended period of time. Controls need to be reinforced. 11/6/07	Needs attention.
Additional Observations	None 11/6/07	None	

Next likely scheduled	
inspection:	Tuesday November 13, 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: Turbid water was observed within the wetlands during a rain event.



Tamarack Swamp Rd: The silt fence remains in place but the sediment that had been pushed beyond the original controls should be removed carefully.



Carpenter Ln: Deteriorating controls and sediment accumulation was noted at the wetland outlet. This area still receives turbid run-off during rain events.



Woodhouse Ave: The stockpile was removed and the area remains mulched and seeded. Controls are in place and working well.



Harrison: Controls are in place across the eroded gully leading from the drainage basin. They are functioning well but the gully should still be repaired/restored.



Old Farms Road: Turbid run-off was noted at a disturbed/exposed area during a rain event.



Pond Hill Dr. Soil stockpiles from other sites are being stored here. Controls have been overwhelmed by sediment and should be replaced or reinforced.



Old Farms Rd: Turbid run-off flowing from the ROW and into a catch basin in the roadway. This water then flows off-site into wetlands.