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: August 2, 2007

Inspector: Matthew Kelly

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

Rainfall: 1.84" of precipitation was recorded in the week prior to inspection, with 1.18" reported on

7/28 (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. 8/2/07	See Erosion Control Section for more details 8/2/07	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 8/2/07	Add controls as needed along the wetlands. See the erosion control section. 8/2/07	NA
	A culvert is in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln 8/2/07	Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 8/2/07	NA
Durham Rd.	Access road and pads are in place moving north toward Rte. 68. Clearing and access road construction continue to the south. 8/2/07	Monitor access road and add controls as needed. 8/2/07	NA
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 8/2/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 8/2/07	NA
	Exposed soil at Williams Rd. crossing did not	The old access road area should be stabilized and	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	appear to be fully contained adjacent to a wetland area (noted since 4/24). This old access now connects with a new stone access road installed through a wetland. 8/2/07	regraded to original contours as necessary. Promote establishment of vegetative cover. 6/5- 8/2/07	
S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; 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. 8/2/07	Continue to monitor entrances and sweep as needed. 8/2/07	NA
Pond Hill Rd.	Stone access road construction is now complete to the east. Timber mats are now in place at the wetland crossing. Road construction continues to the west and timber mats are also in place at the crossing. 8/2/07	Continue to monitor entrances and sweep as needed. Add controls at the crossings if needed. 8/2/07	Timber mats are now in place at the wetland crossings
Docker Dr.	Clearing stopped for now. Access road construction continues. Timber mats are now in place at wetland crossing. No active work this week. 8/2/07	Continue to monitor entrances and sweep as needed. Add controls at the crossings if needed. 8/2/07	Timber mats are now in place at the wetland crossing.
Mansion Rd. Apple Orchard	Access road and pad construction appear complete within the orchard. Vehicle tracks were noted within some wetlands (since 6/19). 8/2/07	Prevent equipment access in wetlands whenever possible. 6/19-8/2/07 Repair tracks if feasible without causing more disturbance 8/2/07	Needs evaluation and attention.
	A small channel was diverted/dug along the access road. Water was pooling on the access road. 6/19-8/2/07 Culverts are onsite but /not installed. 7/10-8/2/07	Monitor and add controls along wetland as needed and install culverts to prevent water from pooling on the access road. 8/2/07	Needs evaluation and attention.
Mansion Rd to Tuttle Ave.	Culverts, haybales, fiber	Retain the no access areas	Continue to monitor

Areas of Inspection	Observation	Recommended Action	Corrected Action
	rolls, and hay/seed remain in place to stabilize area along the access road. 8/2/07	located off Mansion Rd. and Tuttle Ave (moving west). 8/2/07	
Old Farms Road	Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. 8/2/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 8/2/07	Plywood is used to protect driveways from equipment damage (proactively).
Old Farms Rd. (115kV Underground trench- work)	Crews were actively working on the line. No further grinding, repaying or curb installation was noted. 8/2/07	Sweep roadway as needed upon completion of work. 6/19-8/2/07	Needs regular attention.
Foundation and site construction			
High Hill Rd., Carpenter Lane	No new work since the channel was restored at the third foundation. 8/2/07	See wetland section for more details. 8/2/07	NA
Durham Rd. Liney Hall Lane Williams Rd to East Center St.	Poles had been delivered to these sites. Foundation work has yet to continue in these sections 8/2/07	See erosion control section. 8/2/07	NA
Powers Rd. & Woodhouse Ave.	Foundation work continues off Woodhouse Ave. 8/2/07	Add controls to protect wetlands as needed as work continues. See erosion control section. 8/2/07	NA
Harrison Rd.	Foundation work was noted in this section. 8/2/07	Add controls to protect wetlands as needed as work continues. See erosion control sections 8/2/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Some road construction was noted. Foundation work has yet to begin in these sections. 8/2/07	Add controls as necessary. 8/2/07	NA
Pent Rd. & Oliver Creek Rd.	Foundation work has yet to begin in these sections. 8/2/07	Add controls as necessary. 8/2/07	NA
S. Tumpike + Merritt Parkway Area	Clearing complete off South Tumpike and the Merritt Parkway. Mulch remains in place on the	See erosion control section. Add controls as needed especially with the steep slope. 8/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	slopes. 8/2/07		
Mansion Rd. Apple Orchard	Access roads and staging areas are in place. 8/2/07	See access roads, erosion control, and wetland sections. 8/2/07	NA
Mansion Rd to Tuttle Ave.	No new work since access road and pad sites were installed. 8/2/07	See access roads and erosion control sections 8/2/07	NA
Old Farms Rd. (115kV Underground trench- work)	Trench box installation is complete. A pit remains where the underground line will eventually transition to overhead. A pad site had been completed in the ROW. Crews were on site for roadway work/paving. 8/2/07	See access road section for more details. 8/2/07	NA
Erosion and sediment controls High Hill Rd. to Rt. 68	Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair.	Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and	Needs evaluation and attention.
·	(noted 3/6) A line of new haybales remains in place to reinforce the controls. Turbid water flows through during heavy rains but was not noted this week. 8/2/07	monitor for run-off. 4/20-8/2/07	
	Mulch and seed remain along the slopes and filter socks are in place at pad sites upgradient of wetlands. Grass growth was noted. 8/2/07	Monitor for vegetative cover and adjust controls as needed. 8/2/07	Grass growth noted.
	Slurry run-off and sediment accumulation had reached the line of haybales at the wetland at one of the previously poured foundation locations. 5/8-8/2/07	Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-8/2/07	Needs evaluation and attention
	Turbid run-off was noted filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-8/2/07	Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-8/2/07	Check dams were functioning well but need regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	Haybales remain along wetland near site entrance. No run-off noted. 8/2/07	Monitor and add controls as needed as new pads are installed. 8/2/07	NA
Liney Hall Ln.	A culvert remains at the small stream crossing. No sediment issues noted 8/2/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 8/2/07	NA.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. A new stone access road is in place at wetlands in this section but exposed soil remains at the old access where timber mats were removed. Run-off was currently clear. 6/5-8/2/07 Some revegetation was noted. 8/2/07	Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-7/17/06 Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-8/2/07	Some revegetation was noted but needs evaluation
Tamarack Swamp Rd.	No new work since the small pad site was installed within wetlands. Controls remain in place. 8/2/07	Monitor and adjust controls as needed. 8/2/07	NA at this time
Powers Rd. & Woodhouse Ave.	A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 8/2/07	Monitor controls for effectiveness. Clean sediment from riprap as needed. 8/2/07	NA
	Stone access remains within the wetlands off Powers Rd. A culvert may be needed. Some haybales are in place at the crossing but more may be needed. 6/12-8/2/07	Install culverts to reduce turbid run-off as needed. Ensure that controls are adequate to filter run-off at this location. Stabilize area as soon as possible. 6/12-8/2/07	A few controls were in place; continue to monitor and evaluate
Woodhouse Ave. Harrison Rd.	Drilling continues off Woodhouse Ave. Controls remain along the slope. No issues noted. 8/2/07	Monitor controls and add more as needed. 8/2/07	NA at this time.
	Hay and seed remain	Monitor controls and add	Exposed soils have

Areas of Inspection	Observation	Recommended Action	Corrected Action
	along a steep slope adjacent to wetlands off Harrison Rd. The recently graded area has been now been hydroseeded. 8/2/07	more as needed. 8/2/07	been hydro-seeded
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Timber mats have now been installed at the wetland crossings. Adjacent controls were not noted. 8/2/07	Add controls adjacent to the mats to protect wetlands if necessary. Monitor pond and reduce impacts from crossing to the extent feasible. 8/2/07	Timber mats are now in place. Continue to monitor.
Pent Rd. & Oliver Creek Rd.	Clearing complete within the Quinnipiac flood- plain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-8/2/07	Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-8/2/07	Needs evaluation
S. Turnpike + Merritt Parkway Area	Clearing off Merritt Parkway within wetlands is complete. Mulch remains along the steep slope. 8/2/07	Add controls along the steep slope to the river and monitor the area closely for erosion. Add EC blankets if necessary. 8/2/07	Continue to monitor.
Mansion Rd. Apple Orchard	Small sections of silt fence are in place strategically at run-off points and near wetlands. Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-8/2/07	Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-8/2/07	NA
	Equipment tracks were noted in an undisturbed section of wetland, leaving ruts and disturbing vegetation. 6/12-8/2/07	Prevent equipment access in wetlands unless work is permitted there. Repair damage as feasible. Ensure that controls are installed prior to disturbance in wetlands. 8/2/07	Continue to monitor.
	A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road. 6/19-8/2/07	A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-8/2/07	Needs evaluation.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Mansion Rd. to Tuttle Ave.	Several wetland crossings are located here. Filter socks and culverts remain in place, and disturbed areas remain seeded and mulched. 8/2/07	Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 8/2/07	Continue to monitor.
Old Farms Rd.		weualus. o/ 2/07	
	Clearing complete along the roadway. Add controls as needed and retain the no access areas 8/2/07	Controls may be needed at no access area and upgradient from wetlands. 8/2/07	Needs to be monitored.
	Silt fence is in place and intact on one side of the access drive and near the stone pads in saturated areas. Site is stable with no turbid run-off noted; turbid run-off has the potential to reach off-site wetlands. 8/2/07	Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-8/2/07 It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-8/2/07	Needs to be monitored No immediate issues, but needs evaluation and attention.
Old Farms Rd. (Equipment Storage Area)	A small pile of old pavement remains in the inactive equipment storage yard off Old Farms Rd. 7/24-8/2/07	Remove small soil/pavement stockpile from yard if it is associated with the project. 7/24-8/2/07	Needs evaluation
Old Farms Rd. (115kV Underground work)	Roadway surface and curbing had been repaved/repaired. 8/2/07	See access road section. Sweep roadway when feasible at completion of work 7/24-8/2/07	Repairs had been occurring.
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 8/2/07	Approved work in wetlands will follow the permit guidelines. 8/2/07	NA
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 8/2/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 8/2/07	Needs to be monitored
Carpenter Ln. to Rte 68	Timber mat staging areas and several foundations are in place within wetlands off Carpenter	Add controls as needed in this area. Remove sediment from wetlands before removing controls.	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Ln. Sediment was noted within controls, accumulating at the wetland edge. 5/8-8/2/07	Monitor for run-off 5/8-8/2/07	
	The small, re-established stream channel remains in good shape. 8/2/07	Continue to maintain hydrology here. 8/2/07	NA
Williams Rd to East Center St.	Exposed soil remains adjacent to wetlands in this section after timber mats were removed. 5/8-8/2/07 Some revegetation was noted. 8/2/07	See erosion control section. Controls/ stabilization are needed here. 5/8-8/2/07	Some revegetation was noted but still needs evaluation
Tamarac Swamp Road	Pad and adjacent controls remain within wetlands. 8/2/07	Monitor and adjust controls as needed. 8/2/07	NA
Powers Rd. & Woodhouse Ave.	The stone access road remains in place in wetlands off Powers Rd. A culvert may be needed. Controls were in place. 6/12-8/2/07	Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-8/2/07	Needs evaluation
Woodhouse Ave. Harrison Rd.	Timber mats remain along the roadway and edge of wetlands. Minimal impacts noted. 8/2/07	See erosion control section. Add controls as needed. 8/2/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Timber mats have been installed at the wetland crossings in this area. Previous clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 8/2/07	See erosion control section. Add controls as needed. 8/2/07	Needs to be monitored
Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area	Clearing complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. Mulch was applied but more controls may be necessary. 8/2/07	See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Additional controls should be added due to the steep slope. Install EC blankets if needed. 7/10-8/2/07	Needs to be monitored
Mansion Rd. Apple	Pad site installed within	See erosion controls	Needs additional

Areas of Inspection	Observation	Recommended Action	Corrected Action
Orchard Mansion Rd to Tuttle Ave.	the edge of a wetland as permitted. However tracks from equipment were noted within an undisturbed portion of wetland. 6/12-8/2/07 Culverts may also be needed at two small saturated crossings. 8/2/07	section. Add culvert as needed. 8/2/07	evaluation
Old Farms Rd.	Clearing within wetlands complete. Area appears stable but no controls were added. 7/3 8/2/07	Monitor newly cleared areas and add controls as needed. 8/2/07	NA at this time
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. 8/2/07	Continue to monitor area and retain distance from active work. 7/24/07	NA
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. 8/2/07	Prevent turbidity and direct impacts to these areas to the extent feasible. 8/2/07	NA
Woodhouse Ave; Harrison Rd.	An Eastern box turtle was accidentally crushed by equipment in the new ROW clearing off Woodhouse Ave. (5/8/07) This area was not marked as a potential area for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 8/2/07	The area 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. 8/2/07	The turtle observation was reported appropriately and sweeps should continue to be performed.
Mansion Rd. to Tuttle Ave	Another Eastern box turtle was noted walking across the ROW access road in the section between Mansion Rd. and Tuttle Ave on 7/17/07. This area was also not	The area should now receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area	Area needs to be monitored/swept regularly.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 8/2/07	before equipment progresses. 8/2/07	
Vegetative clearing or stabilization Most work areas	Vegetation was preserved in areas where invasive species were not dominant. 8/2/07	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 8/2/07	NA
Durham Rd.	Active clearing work was noted south of Durham Rd. this week. 8/2/07	None 8/2/07	NA
Williams Rd to East Center St.	Some areas of exposed soil need controls, but some areas that were disturbed by clearing have started to revegetate. 8/2/07	Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section. 8/2/07	Needs evaluation and attention
Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Clearing is largely complete within and adjacent to wetlands and wetland crossings are necessary in these areas. Vegetation was retained where possible. 8/2/07	See erosion control section. Continue to use low impact techniques in these areas and retain vegetation and appropriate species.	NA at this time
Woodhouse Ave.; Harrison Rd.	The graded, exposed soil areas off Harrison Rd. have been hydro-seeded. 8/2/07	Monitor area until stable. Add controls as needed. 8/2/07	NA at this time
S. Tumpike + Merritt Parkway Area	No new clearing noted in this section. Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank 8/2/07	Monitor area and add controls as needed. 8/2/07	NA
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. 5/8-8/2/07	Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-8/2/07	Needs evaluation and attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed. 8/2/07	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. 8/2/07	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. 8/2/07	Needs regular attention.
Old Farms Rd. (Equipment Storage Area)	A small soil/pavement stockpile remains in the active underground work storage yard off Old Farms Rd 7/19-8/2/07	If storage yard will no longer be used, remove the small stockpile if it is associated with the project. 8/2/07	Silt fence was removed but needs some additional attention.
Additional Observations	Property owner in the vicinity of Williams Rd. appears to have used personal equipment to alter wetland areas. 8/2/07	Noted for the record. The work is not project related. 8/2/07	Non-jurisdictional to this D&M plan.
	An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. Noted 5/15/07	Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	Continue to monitor

Next likely scheduled	
inspection:	Tuesday August 7, 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 Kelly, BSC Group
Reviewer:	Diana Walden, BSC Group



Pond Hill Rd: A view of the access road being installed here.



Williams Rd: Exposed soils remain near a wetland after access road construction. Seed the slopes or temporarily stabilize to prevent runoff.



Williams Rd.: Areas disturbed by clearing activities are beginning to re-vegetate.



Pond Hill Rd: View of the timber mats in place at the wetland crossing.