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: June 19, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.57" of precipitation was recorded in the week prior to inspection, with 0.44" reported on

6/16 (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. 6/19/07	See Erosion Control Section for more details 6/19/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. A new section of access road and pads are installed 6/19/07	Add controls as needed along the wetlands See the crosion control section. 6/19/07	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 6/19/07	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. 6/19/07	NA at this time
Durham Rd.	New section of access road and pads are in place. 6/19/07	Monitor new access road and add controls as needed. 6/19/07	NA.
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 6/19/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 6/19/07	NA
	Exposed soil at Williams Rd. crossing did not appear to be fully contained adjacent to a wetland area (noted since	The old access road area should be stabilized and regraded to original contours as necessary. Promote establishment of	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	4/24). This old access now connects with a new stone access road installed through a wetland. 6/19/07	vegetative cover. 6/5-6/19/07	Controls added.
Powers Rd	A stone base access road was installed within this section. Some controls were added. 6/19/07	Continue to monitor and ensure controls are adequate. See erosion control section. 6/19/07	NA
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. 6/19/07	Continue to monitor entrances and sweep as needed. 6/19/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	New clearing stopped for now, between I 91 to Rte 5. Several wetland crossings involved but appropriate crossing techniques were not observed. 5/30-6/19/07	Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/30-6/19/07	Needs attention/ evaluation at wetland crossings
Mansion Rd. Apple Orchard	Access road and pad construction have resumed within the orchard. Vehicle tracks were noted within some wetlands. 6/19/07	Controls are needed adjacent to roads/pads in wetland areas. Prevent equipment access in wetlands whenever possible. 6/19/07	Needs evaluation and attention.
	A small channel was diverted/dug along the access road Turbid water was pooling on the access road. 6/19/07	A culvert appears to be necessary to prevent sedimentation. 6/19/07	Needs evaluation and attention.
Mansion Rd to Tuttle Ave.	Access road installation underway moving from Tuttle Ave. toward Mansion Rd. Equipment had been driving through several wetlands without appropriate crossings last week; Culverts haybales, fiber rolls, and hay/seed have now been used to stabilize soils. 6/19/07	Add controls and appropriate crossing measures at wetlands, prior to equipment disturbance. Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). 6/19/07	Controls were added upgradient of wetlands.
Old Farms Road	Plywood is being used to reduce impact to the	Continue to monitor for sediment on roadway and	NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-6/19/07	driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06- 6/19/07	
	Clear run-off from the low, saturated spot (filled during access road construction) noted during this inspection. In the past, turbid run-off has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site at one driveway. 6/19/07	Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-6/19/07 Evaluate whether preexisting drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-6/19/07	No immediate issues; needs future evaluation and attention
Old Farms Rd. (115kV Underground trench- work)	The deteriorating trench patch with loose asphalt "crumbling" and potholes noted in past weeks is starting to be repaired. Some dust/tracking was noted on the roadway. 6/19/07	Sweep roadway as needed upon completion of work. 6/19/07	Patch work was occurring in the roadway. Needs regular attention.
Foundation and site construction		Consider the Cons	BYA
High Hill Rd., Carpenter Ln.	The final of the three foundations has been poured within wetlands south of Carpenter Lane. This foundation is located in the middle of a small stream channel. 6/19/07	See wetland section for more details and recommendation. 6/19/07	NA.
Durham Rd.	New access road and pad sites are in place. 6/19/07	See erosion control section. 6/19/07	NA.
Liney Hall Lane	Access road and pads installed to Muddy River. A culvert is in place at the stream crossing, 6/19/07	See erosion control section. 6/19/07	NA
Williams Rd to East Center St.	Clearing and stockpiling timber complete for now. Exposed soil is present. Access road is in place. 6/19/07	Add controls as needed. See erosion control section. 5/8-6/19/07	NA
Powers Rd. & Woodhouse Ave.	No new work since the	Add controls to protect wetlands as needed as	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	stone access road was installed northeast off Powers Rd. through wetlands. 6/19/07	wetlands as needed as work continues. See erosion control section. 6/19/07	
Woodhouse Ave to Harrison Rd.	Clearing was complete through this section and pad construction is now complete off Harrison Rd 6/19/07	Add controls to protect wetlands as needed as work continues. See erosion control & state- listed species sections. 6/19/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Tree removal is scheduled. Road construction is underway. 6/19/07	See erosion control section. 6/19/07	NA.
Pent Rd. & Oliver Creek Rd.	Tree clearing stopped for now. Clearing along edge of a stream off Oliver Creek Rd. No controls installed (noted since 5/30) 6/19/07	See erosion control section. 6/19/07	NA.
S. Tumpike + Merritt Parkway Area	Clearing complete off South Tumpike. 6/19/07	See erosion control section. 6/19/07	NA
Mansion Rd. Apple Orchard	Construction of access roads and pads continue. Some pad installation is within wetlands as permitted. 6/19/07	See access roads, erosion control, and wetland sections 6/19/07	NA.
Mansion Rd to Tuttle Ave.	New road construction underway. Controls were now installed at wetland crossings. 6/19/07	See access roads and erosion control sections. 6/19/07	Controls in place
Old Farms Rd. (115kV Underground trench- work)	Trench box installation is complete. A pit remains where the underground line will eventually transition to overhead. Patch work was occurring on the roadway. 6/19/07	Monitor and maintain fence as needed. 6/19/07	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. (noted 3/6) A line of new haybales remains in place to reinforce the controls. Turbid water flows	Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20- 6/19/07	Needs evaluation and attention. Controls were added to new pad site.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	through during heavy rains but was not noted this week. 6/19/07		
	Mulch and seed remain along the slopes and filter socks are in place at the pad site upgradient of wetlands. Seed and mulch were also placed at the new pad site. 6/19/07	Monitor for vegetative cover or erosion issues and adjust controls as needed. 6/19/07	NA.
	Slurry run-off and sediment accumulation had reached the line of haybales at the wetland at one of the previously poured foundation locations. 5/8-6/19/07	Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-6/19/07	Needs evaluation and attention
	Turbid run-off was noted filtering through haybale check dams before leaving the site. 6/12- 6/19/07	Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19/07	Check dams were functioning well.
Durham Rd.	Haybales in place at wetland near site entrance. No run-off noted. 6/19/07	Monitor and add controls as needed as new pads are installed. 6/19/07	NA
Liney Hall Ln.	A culvert remains at the small stream crossing. No sediment issues noted 6/19/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 6/19/07	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 Williams Rd. wetlands but exposed soil remains at the old access where timber mats were removed. Run-off was currently clear. 6/5-6/19/07	Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-6/19/06 Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-6/19/06	Needs evaluation
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	Monitor controls for effectiveness. Clean sediment from riprap as needed. 6/19/07	NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	barriers 6/19/07 Stone access was installed within the wetlands moving northeast off Powers Rd., replacing the corduroy road. A culvert may be needed. Some haybales are in place at the crossing but more may be needed. 6/19/07	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. 6/12-6/19/07	A few controls were added; continue to monitor.
Harrison Rd.	Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. 6/19/07	Monitor for vegetative cover and adjust controls as needed. 6/19/07	NA at this time
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	New access roads partially installed. Controls were not in place at wetland crossings. 6/12-6/19/07	Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22-6/19/07	Needs attention/ evaluation.
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. 5/30-6/19/07	Upon completion of clearing add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 5/30-6/19/07	Needs evaluation.
S. Turnpike + Merritt Parkway Area	No new work since clearing completed and ruts were repaired. 6/19/07	Monitor for vegetative cover until the area is stable 6/19/07	NA at this time
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. 3/13-6/19/07	Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-6/19/07	Needs regular maintenance.
	New access is adjacent to two wetlands. Controls are needed at edges of roads and pads within wetlands. Equipment tracks were noted in an undisturbed section of	Add controls as needed near wetlands. Prevent equipment access in wetlands unless work is permitted there. Install controls prior to disturbance in wetlands.	Needs attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	wetland, leaving ruts and disturbing vegetation. 6/12-6/19/07	6/12-6/19/07	
	A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road. 6/19/07	A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19/07	Needs evaluation.
Mansion Rd.	An existing riprap slope and culvert are present near the entrance from the road. Haybales here remain intact. 6/19/07	Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 6/19/07	Continue to evaluate
Mansion Rd. to Tuttle Ave.	New clearing is compete and access road construction underway. The turbid water, ruts and lack of appropriate crossing measures noted last week were attended to. Filter socks were installed, disturbed areas were seeded and mulched and culverts were in place. 6/19/07	Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 6/19/07	Controls and crossings were added.
Old Farms Rd.	New clearing complete along the roadway. Add controls as needed and protect no access areas. 6/19/07	Controls may be needed at no access area and upgradient from wetlands. 6/19/07	Needs to be monitored.
Old Farms Rd. (Equipment Storage Area)	The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-6/19/07	If work will not return, remove the silt fence and any remaining construction materials 4/17-6/19/07	Needs attention when feasible.
Old Farms Rd. (115kV Underground work)	A trench box was installed and the area was stable at the transition point. 6/19/07	Restore original conditions when feasible. 6/19/07	The area was stable
	Repair work was occurring at the deteriorating patch. 6/19/07 Jurisdictional wetlands	See access road section. 6/19/07	Patch work occurring.
Inland Wetland and		Approved work in	

Areas of Inspection	Observation	Recommended Action	Corrected Action
encroachment and mitigation	ACOE permit is in hand. 3/7/07	permit guidelines. 6/19/07	
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 6/19/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 6/19/07	Needs to be monitored
Carpenter Ln. to Rte 68	Timber mat staging areas in place within wetlands off Carpenter Ln. and several foundations were installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-6/19/07	Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8- 6/19/07	Needs evaluation
	The final foundation was placed in a small stream channel as permitted but is blocking flow. 6/19/07	Redirect or restore the channel to re-establish the hydrology and prevent erosion during storms. 6/19/076/19/07	Needs channel restoration.
Liney Hall Ln.	A culvert and permanent road remain in the wetland. 6/19/07	Monitor controls and add more as needed. 6/19/07	NA
Williams Rd to East Center St.	Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-6/19/07	See erosion control section. Controls/ stabilization are needed here. 5/8-6/19/07	Needs evaluation
Powers Rd. & Woodhouse Ave.	The stone access road is now in place in wetlands off Powers Rd A culvert may be needed. A few controls were in place. 6/12-6/19/07	Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-6/19/07	Needs evaluation
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	Clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 6/19/07	See erosion control and access road sections. 6/19/07	Needs to be monitored
Pent Rd. & Oliver Creek Rd.	Clearing almost complete along the Quinnipiac River and in the	See erosion controls section. Retain as much vegetation as feasible and	Needs to be monitored

Areas of Inspection	Observation	Recommended Action	Corrected Action
	floodplain. No controls installed but stumps and roots were retained. 6/19/07	reduce soil disturbance. 6/19/07	
S. Tumpike + Merritt Parkway Area	Previously rutted areas in wetlands remain seeded and mulched. 6/19/07	Monitor and add more controls as needed. 6/19/07	NA
Mansion Rd. Apple Orchard	Pad site installed within the edge of a wetland as permitted. However tracks from equipment were noted within an undisturbed portion of wetland and controls were not in place. 6/12- 6/19/07	Add controls as needed. See erosion controls section. Add culvert as needed. 6/19/07	Needs attention and evaluation.
Mansion Rd to Tuttle Ave.	Controls were added at wetland crossings and ruts noted last week were stabilized. 6/19/07	Continue to add controls to protect wetlands and appropriate crossing measures to prevent rutting. Stabilize as soon as possible. 6/19/07	Controls were added.
Old Farms Rd.	Clearing within wetlands complete. Area appears stable. 6/19/07	Monitor newly cleared areas and add controls as needed. 6/19/07	NA at this time
State species of concern, threatened and endangered species.	A no entry sign was added near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 6/19/07	Continue to monitor area and maintain a distance from the active work. 6/19/07	A sign was added.
Liney Hall Rd;	Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 6/19/07	Prevent turbidity and direct impacts to these areas to the extent feasible. 6/19/07	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	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.	The turtle observation was reported appropriately and sweeps should continue to be performed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	according to the D&M plan, DEP response letter and NDDB website. 6/19/07	6/19/07	
Vegetative clearing or stabilization Most work areas	Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 6/19/07	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. 6/19/07	NA.
Williams Rd to East Center St.	Clearing is complete within/adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 6/19/07	Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section. 6/19/07	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. Larger tree clearing is scheduled at Pond Hill. A small section across the river remains to be cleared in the Oliver Creek Rd. section. 6/19/07	See erosion control section. Continue to use low impact techniques in these areas. 6/19/07	NA at this time
Woodhouse Ave.; Harrison Rd.	No new clearing in this area. Some exposed areas remain seeded and mulched. 6/19/07	Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. 6/19/07	NA
S. Turnpike + Merritt Parkway Area	Low impact clearing complete within wetlands. Ruts were restored and much of the vegetation was retained. 6/19/07	Monitor area and add controls as needed. 6/19/07	NA
Dewatering	Dewatering was required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-6/19/07 Turbid run-off was noted	Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering See erosion control section. 5/8-6/19/07	Needs evaluation and attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	near the most recent foundation but was filtered by vegetation and check dams. 6/19/07	Contain run-off if necessary. 6/19/07	
Blasting	No blasting is proposed. 6/19/07	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. 6/19/07	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. 6/19/07	Needs regular attention
Powers Road	Portable sanitary facility is located upgradient from wetlands onsite. 6/19/07	Relocate and keep all facilities and equipment stored 100 feet from wetlands in case of a spill. 6/19/07	Needs attention.
Carpenter Lane Tuttle Ave.	The two affected areas noted last week were attended to. 6/19/07	Continue to monitor equipment. Issues were not observed. 6/19/07	Areas were attended to.
Old Farms Rd. (Equipment Storage Area)	The storage yard for the underground work off Old Farms Rd. is no longer active. 6/19/07	If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-6/19/07	Areas should be restored.
Additional Observations	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 June 26, 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:	Matthew Creighton, BSC Group
Reviewer:	Diana Walden, BSC Group



Foundation was placed in a small stream channel off Carpenter Lane. Create a new channel/or provide stream restoration to re-establish the hydrology.



Sediment/turbid run-off was appropriately filtered by a haybale check-dam within wetlands off Carpenter Lane.



Portable sanitary facility located upgradient from a wetland off Powers Road. Ensure that facilities are placed over 100 feet from wetlands in case of a spill.



A drainage channel was dug within the apple orchard off Mansion Rd. A culvert appears to be necessary to reduce sedimentation.



New pad in the wetland, within the apple orchard. Add controls as to protect the undisturbed portion of the wetlands. Avoid storing equipment on the pad within the wetlands



New access road being installed of Tuttle Ave. Ruts noted last week were graded, and hay mulch and seed were applied for stabilization.



More controls were added upgradient from wetlands off Tuttle Ave.



Some minor dust/sediment remains in the roadway after patch work was completed along Old Farms Rd. Sweep as needed.