## **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:** April 8, 2008

**Inspector:** Matthew Creighton

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

Rainfall: 1.14" of precipitation was recorded in the week prior to inspection with 0.91" falling on 4/4

(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. 4/8/08	See Erosion Control Section for more details 4/8/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas were being worked within wetlands. A large area upgradient remains rutted, muddy, and disturbed following recent activity 4/1-4/8/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 4/8/08	See erosion control section.
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. Water was flowing across the road off Durham Rd 4/8/08	Continue to monitor and add controls as needed. Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 2/20-4/8/08	Continue to restrict access at Durham Rd. if possible.
	Sediment tracking was swept from Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-4/8/08 Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-4/8/08	Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance. 3/11-4/8/08 Carefully remove stone from the wetlands. When plowing snow, monitor wetland boundaries and place snow in upland areas 2/26-4/8/08	Roadway was swept but entrance needs additional attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Rd.	Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Turbid water has been noted flowing around the site during storms but largely due to the existing field conditions. Timber mats within the field were reconfigured leaving an exposed area. 4/8/08	Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 4/8/08	NA at this time
Powers Rd.	The access road installed to bypass the new line anchors remains. Timber mats remain at a saturated crossing. Controls are effectively filtering run-off. 4/8/08	Controls should be monitored and replaced as needed. If sediment has accumulated more than 2" here, it should be removed from the wetlands by hand, not to disturb the natural vegetation. 4/8/08	Controls were in good shape.
Williams; S. Tumpike + Mentit Parkway; Mansion Rd.; Durham Rd.; Stony Brook; 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 entrances. 4/8/08	Continue to monitor entrances and sweep as needed. 4/8/08	NA
Pond Hill Rd. Docker Dr.	ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. (since 12/4) 4/8/08	Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Return for final stabilization when the ground thaws. 3/4-4/8/08 See erosion control section for more details. 4/8/08	Needs attention during thaw conditions.  Contractors received authorization to begin this work.
Mansion Rd to Tuttle Ave.	A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 4/8/08	Monitor the area and add controls if needed. 4/8/08	NA
Old Farms Road	Plywood is being used on driveways crossing the	Continue to monitor for sediment on roadway and	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	ROW to reduce the impact from equipment. 12/18-4/8/08	driveways; continue to use rubber mats or plywood to protect driveways. 12/18-4/8/08	
	Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not noted leaving the driveway via this swale. 4/8/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 4/8/08	Needs attention when working in saturated conditions.
	Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone remains at the access driveway over the pavement to reduce tracking and run- off. 4/8/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22- 4/8/08	Needs evaluation and attention upon project completion.
	Vehicles have been using a private driveway as opposed to the existing access driveway at Cook Hill Jct. Sediment tracking was observed. 4/1-4/8/08	Sweep sediment from the drive and check for damage. Use the approved access driveway to reduce additional tracking problems. 4/1-4/8/08	Needs attention.  Private driveway should be swept.
	The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-4/8/08	Re-grade and restore the rutted areas. 1/8- 4/8/08	Needs attention when feasible.
Foundation and site construction	Pad work was underway within the wetlands south of Carpenter Ln. 4/8/08	See erosion control section. Controls need attention. 4/8/08	See erosion control section.
	Wooden fence installation was underway north of Durham Rd. 4/8/08	Add controls if needed to any newly disturbed areas. 4/8/08	NA.
	Drainage work was underway off Harrison Rd. A surge pool/settling area was being installed to slow and filter the stormwater run-off from the roadway. 4/8/08	Stabilize exposed areas from construction and monitor new controls for effectiveness. 4/8/08	Drainage solutions were being implemented.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls Carpenter Ln. to Rt. 68	The high flow that is present within the ditch/outlet here will not allow haybales to remain in place. However, pad/road work was creating turbidity in the wetland surface water which was flowing off site. 4/8/08.	The outlet needs effective controls ASAP in order to filter turbid water before it leaves the site. Ensure these controls are in place during active work or rain events due to the adjacent exposed soil. 4/8/08	Needs attention.
	ATV traffic was also noted in this area, damaging controls and leaving ruts (since 1/16). Area is heavily rutted and disturbed from recent activities. 3/18-4/8/08	Disturbed areas will need temporary stabilization. Provide additional attention in the spring to establish vegetative cover Evaluate measures to keep ATVs out of the area. 4/8/08	Area needs final grading and stabilization within timelines.
	Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. Water bars are installed to contain and filter stormwater. 12/4-4/8/08	Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-4/8/08	Continue to monitor.
Durham Rd. Liney Hall Ln.	Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place. 4/8/08	Monitor and add controls along the road or wetland as needed. See Access Road and Inland wetland sections for more information on this area. 4/8/08	Restrict access in flooded areas when feasible.  Liney Hall Rd needs attention.
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. 4/8/08	Add controls as needed in this area. Stabilize soils when applicable. 4/8/08	NA
	Two small detention basins were used as slurry dewatering areas. Silt fence and a mulched berm are in place around the basins. 4/8/08	If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 4/8/08	NA
Tamarack Swamp Rd.	A pad and foundation remain within wetlands with an adjacent area of standing water west side of roadway. Some	Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing	See Inland wetland section.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26 and new hay mulch was recently applied. 4/8/08	conditions are covered by the permit 12/26-3/4/08 Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 12/26-4/8/08	
	On the east side, a soil stockpile remains in place with some adjacent controls. However, the pile is not fully contained. 4/8/08	Remove or stabilize the stockpile as soon as feasible. 4/8/08	Continue to monitor- may need controls
Powers Rd. Woodhouse Ave. Harrison Rd.	Timber mats on the bypass access road off Powers Rd. had been compressing into the mud resulting in turbid run-off. However, controls had been sufficiently extended along the wetland to contain the run-off. 4/8/08	Continue to stabilize the area and maintain controls. If sediment has accumulated in the wetland, it should be removed by hand. 3/18-4/8/08	Continue to monitor.
	The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 4/8/08	Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-4/8/08	NA at this time. Continue to monitor until the growing season
	Crews were providing restoration to the eroded gully off Harrison Rd. The gully here had been noted since 9/25 but had not worsened until recently. (3/11). Crews were also providing a permanent solution to the stormwater run-off from Harrison Rd. A surge pool and settling area was being installed during the inspection. 4/8/08	Continue to repair and stabilize the eroded gully to avoid undermining the Controls.  This area should be monitored closely to evaluate the effectiveness of the new controls/ solution. Exposed soils should be stabilized upon completion of work.  4/8/08	A stormwater solution was being installed.
Pond Hill Rd. & Docker Dr.	Controls off Docker Dr.	Continue to maintain	Needs attention when

Areas of Inspection	Observation	Recommended Action	Corrected Action
(I 91 – Rte. 5)	near the wetlands were recently reinforced. Large areas of exposed soils are gullying from heavy rains and/or been disturbed by ATVs (since 11/6). Crews have been here multiple times but ATV traffic is very active. Gullies are worsening in the recent rains. 4/8/08	controls adjacent to the brook here. 3/4/08 Crews plan to return as soon as weather conditions allow to apply bark mulch to encourage stabilization. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 2/20-4/8/08	ground conditions are appropriate.  Contractors received authorization to begin this work.
Old Farms Rd.	Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing however, run-off was noted during heavy rains. Additional mulch and silt fence were added to exposed soils recently. Eroded gullies/rills were noted on the slope. 3/4-4/8/08	Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls, including CB liners, as needed to filter run-off. Additional controls should be used in the drainage areas 4/8/08	Continue to evaluate and stabilize.  Area needs additional attention for periods of heavy rain.
	Soils remain stockpiled upgradient from wetlands onsite with sediment observed migrating beneath the filter sock controls here (since 3/4) Crews were in the process of removing the pile but work was on hold. 4/1-4/8/08	Temporarily stabilize soils in this active area as soon as possible. 12/26-4/1/08 Continue to remove the stockpile and reinforce controls until this work is complete. 3/18-4/8/08	Controls need Attention even though the stockpile was in the process of being removed.
Inland Wetland and Watercourse encroachment and mitigation	Work has occurred in jurisdictional wetlands under an ACOE permit	Approved work in wetlands will follow the permit guidelines. 4/8/08	NA
Gm.VII	In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland	Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for	Continue to evaluated.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	soils. This includes attending to restoration of adjacent upland areas when work is complete. 4/8/08	final stabilization procedures to commence. Any stabilization at this time will have to account for winter months. 4/8/08	
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 4/8/08	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 4/8/08	Needs to be monitored
Carpenter Ln. to Rte 68	Some of the timber mat and stone staging areas remain in place within wetlands off Carpenter Ln. Large disturbed area is still noted upgradient from wetlands 3/18- 4/8/08	Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization.	Work should be expedited here. Stabilization needed within timelines.
	Haybales cannot remain upright in the high flow at the outlet but water is turbid due to pad work and effective controls are needed ASAP. 4/8/08	Controls are needed to protect wetlands downstream and filter the turbid water. 4/8/08	Controls need immediate attention.
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. The access off Durham Rd. is flooded but flow is filtered by controls. 4/8/08	Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 4/8/08	Restrict access in flooded areas when feasible.
	Snow removal (on 2/26) has pushed stone onto timber mats and subsequently into wetlands off Liney Hall Ln. 4/8/08	Remove stone, by hand, from wetlands and pull stone back off of the timber mats. 4/8/08	Needs attention.
Tamarack Swamp Road	Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into	Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-	The contractor has stated that pads are within the proposed/permitted size limits but will attempt to remove spoil to the extent feasible.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. However, the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20-4/8/08	2/20/08 The contractor stated that pads are within the proposed/permitted size limits. 2/20-4/8/08 Contractors will also make an effort to pull back the stone during reclamation. 4/8/08	
Powers Rd. & Woodhouse Ave.	Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding, (noted 9/25) Wellestablished grass cover is in place. Turbid run-off noted from the access road bypass was reaching the wetland (3/4-3/11) Additional controls have been installed. 4/8/08	Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews continue to return here for line work, potentially disturbing the area again before final stabilization. 3/24/08 Check wetlands for accumulated sediment and remove by hand if necessary. 3/18-4/8/08	1 <sup>st</sup> area needs attention during final restoration Good controls are in place. Wetlands need evaluation.
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. 4/8/08	Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 4/8/08	NA at this time.
Old Farms Rd.	Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 4/8/08	Additional controls may be needed to prevent run- off from any soil disturbance. See access road and erosion control sections. 4/8/08	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. 4/8/08	Continue to monitor area and retain distance from active work. 4/8/08	NA
Liney Hall Rd	Several frog and salamander egg masses were noted last spring within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good	Prevent turbidity and direct impacts to these areas to the extent feasible. 4/8/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	amphibian breeding habitat. 4/8/08		
Woodhouse Ave; Hanison 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. 4/8/08	Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season has ended as of April 1st and sweeps for turtles are required prior to accessing the site. 4/8/08	Eastern Box turtles active season has begun and sweeps are needed.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 4/8/08	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. 4/8/08	NA
	Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines through the ROW. 4/8/08	The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch or erosion control mats as needed). 12/4-4/8/08	Final stabilization will be needed upon completion of work.
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. 4/8/08	Continue to monitor and replace shrubs if needed. 4/8/08	NA at this time.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. Rills and gullies were worsening. 3/18-4/8/08	See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-4/8/08	Slopes need additional attention during thaw. Contractors are scheduled to return here with heavy mulch in the near future.
Old Farms Rd. (115kV Underground trench- work)	Soil remains exposed here due to recent active work. Mulch was recently applied in some spots but erosion was noted. 4/8/08	See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section.	Needs additional stabilization.

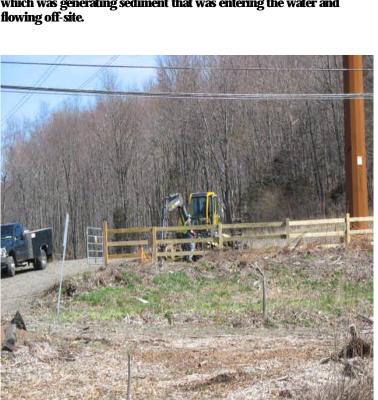
Areas of Inspection	Observation	Recommended Action	Corrected Action
	Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26- 4/8/08	4/8/08 Regrade the disturbed/ rutted area and stabilize. 4/8/08	
	Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 4/8/08	Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan (20ft in this location). Be extremely mindful of the extent of clearing 4/8/08	Needs to be monitored.
Dewatering	It appears all foundations and dewatering is complete at this time. 4/8/08	Remove and stabilize old dewatering pits as necessary. 4/8/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 4/8/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 4/8/08	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. 4/8/08	Needs regular attention.
All Active Sites	Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. This includes a stockpile noted off Tamarack Swamp Rd. 4/8/08	Always contain and stabilize stockpiles as soon as possible. Filter socks were noted at the base of the one of Tamarack Swamp Rd. but it was not fully enclosed. 4/8/08	Continue to monitor throughout construction.
Old Farms Rd.	Approximately ½ of the soil remains stockpiled upgradient of the wetlands and controls remain in place. Soil has been overwhelming the controls since 3/4. Work has been on hold while disposal details are worked out. 3/24-4/8/08	Keep storage materials away from wetlands. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-4/8/08 Continue to remove soil when feasible and reinforce controls. 3/24-4/8/08	A portion of the stockpile has been removed.  Additional controls are still needed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None 4/8/08	None	

Next likely sched inspection:	uled Tuesday April 15, 2008		
and certify that base obtaining the inform and belief, and I und	mined and am familiar with the information on reasonable investigation, including my ation, the submitted information is true, acc erstand that any false statements made in th in accordance with Section 22a-6 under Se	inquiry of those individua curate and complete to the nis document or its attach	als responsible for e best of my knowledge ments may be punishable
Field Inspector:	Matt Creighton, BSC Group		
Reviewer:	Diana Walden, BSC Group		



Carpenter Ln: Pad/road work was underway within the wetlands which was generating sediment that was entering the water and flowing off-site.



Durham Rd: Fence installation was underway north of Durham Rd.



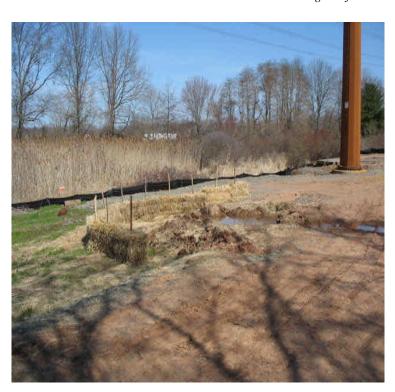
Carpenter Ln: The high flow at the outlet will not allow the haybale controls to stay in place. However, the turbid water resulting from the pad work needs to be filtered before it leaves the site. Install appropriate controls ASAP.



Liney Hall Ln: Stone resulting from snow plowing several weeks ago should be removed from wetlands. Final restoration is still needed.



Tamarack Swamp: Soil stockpile should be removed or stabilized. Controls were present at the base but the soil is not fully contained.



Powers Rd: Additional controls appear to be filtering all run-off from the bypass access road before it leaves the site.



Harrison Rd: Crews were working on a more permanent solution to filter and slow the stormwater from the roadway that outlets to the ROW. They were building a detention area to allow water to flow over a flat grade prior to heading downslope.



Harrison Rd: Sanitary facility located above a steep bank to a stream. The resource area appears to be greater than 100 feet away but relocate from the top of slope if feasible, in case of a spill.