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.

Beseck Switching Station Inspection

Date: July 13, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.37 inches of rain over 7/7-7/13 (with 0.33" on 7/12), at Meriden CT (NOAA)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All truck traffic is using stone entrance on east side, additional stone has been placed at the entrance, and the entrance is fairly clean. 7/13/06	Continue to check stone construction entrance and clean/refresh stone as needed. 7/13/06	A layer of clean stone has replaced the sediment filled stone in the entrance.
	Street sweeping is taking place, however some sediment can be found along the edge (gutter) of Carpenter Lane and should be removed. 7/13/06	Street sweeping should be continue to be performed and soil should be removed from the gutter if feasible. 7/13/06	Street sweeping is occurring but some sediment remains.
	During heavy rains stormwater leaves the site via the stone construction entrance. Haybales were installed at the edge of the entrance and Carpenter Lane to filter stormwater. Also, small stones were placed at the corners of the CB's to hold the filter fabric in place. 7/13/06	Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 7/13/06	Haybales were installed. Small stones were placed at the corners of the CBs.
	Silt barrier liners in catch basins should be replaced. 7/13/06	Replace and continue to monitor and maintain liners as needed. 7/13/06	Silt liners are being replaced after sig. storm events.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction	**Grading onsite continues; blasting and excavation in northern portion, filling in southern portion. 7/13/06**	**Erosion controls may need to be adjusted as grading changes. 7/13/06**	**A small settling area was graded**
	Block retaining walls are under construction along south side of site. 7/13/06	**Fix small area of silt fence knocked over during construction along Carpenter Lane. 7/13/06**	**Needs attention when feasible**
	New storm drain system is being installed as the site is raised. Contractor has created a basin near inlet pipe to allow water to stand and sediment to settle before entering drain. 7/13/06	**Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 7/13/06**	**See erosion control section.**
Erosion and Sediment Controls	**Silt fence is secure and well-maintained. East side silt fence reinforced with bark mulch. 7/13/06**	**Continue to inspect and maintain silt fence throughout site as needed. 7/13/06**	**Bark mulch was added for additional control**
	One section along Carpenter Lane was knocked down during construction. 7/13/06	**-Repair/ re-staple as necessary**	**Section of fence needs attention when feasible**
	Storm drain inlet is raised with a settling area north of the pipes. The new CB onsite is also raised, surrounded by stone, and covered with filter fabric. 7/13/06	**Consider seeding walls of basin to reduce sediment load reaching wetland. 7/6-7/13/06 Also, see access road section regarding potential source of turbidity. 7/13/06**	**Settling basin was built north of drain inlet and additional controls were added at the road**
	A small settling area was created to hold an amount of water that is ponding near the southwestern corner of the site. 7/13/06	**None. 7/13/06**	**A holding area was graded.**
	Three layers of haybales were in place across the old Zolnik driveway and looked intact. Stone berms were in place along the driveway as additional filtration. 7/6-	**-Grass growth was noted on the recently hydroseeded stockpiles. 7/13/06**	**Stone berms were installed and grass growth was noted**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	7/13/06 **Storm water controls should change in response to grading changes; stabilize areas expected to remain unworked for more than 14 days; ie. along Carpenter Lane once the first section of wall is finished. 7/13/06**	**Additional stabilization of open areas with seed, mulch, or straw could be considered in order to help reduce sediment loads in run-off (as applicable). 7/13/06** **-A subtle swale was noted along the retaining wall to direct stormwater 7/13/06**	**Needs evaluation**
Inland Wetland and Watercourse encroachment and mitigation	**Wetlands on east side of site were clean and well protected. 7/13/06** **Wetlands south of site across Carpenter Lane contain accumulated sediment near drain outlet, with turbid water flowing from the outfall pipe. The turbid water is likely due to site run-off to roadway CBs. 7/6-7/13/06** **Sediment accumulation is also attributed to grout damage in the new drainage pipe which has since been repaired. 7/13/06** **A line of haybales has been installed at the outfall pipe and are helping to filter the water as it enters the wetland. 7/13/06**	**Continue to monitor. 7/13/06** **Continue to monitor outlet area. Accumulated sediment from the site is evident and should be removed carefully from the wetland by hand (shovels) at the next opportunity when conditions have dried out.** **Monitor haybales and remove sediment as needed so new haybale line continues working properly 7/13/06**	**NA** **Sediment will be removed as soon as conditions dry out** **Haybales were installed at the outlet.**
State species of concern, threatened and endangered species.	**According to the D&M plan, state-listed species are not located in this work area.**	**None 7/13/06**	**NA**
Vegetative clearing or stabilization	**All vegetative clearing was complete as of 6/8/06** **Stockpiles along the old Zolnik property were stabilized with grass seed and grass has started to**	**None 7/13/06** **None at this time. 7/13/06**	**NA** **Grass growth was noted.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	grow. 7/13/06		
Dewatering	**Dewatering is not being performed at this time. 7/13/06**	**None**	**NA**
Blasting	**Blasting continues; blast areas are first covered by rubber containment mats. Blasting will continue for several more weeks. 7/13/06**	**Caution should be taken that no blast material, including dust, is allowed to enter the adjacent wetlands or leave the site. 7/13/06**	**Rubber mats prevent material movement.**
	Rock crushing is also occurring. 7/13/06	**None**	**NA**
Spills, Soils and Material Storage	**No additional soil has been removed from site in past week. Crushed rock has not yet been removed from site. 7/13/06**	**None**	**NA**
	Soil stockpiles along western driveway and in the southeast area have been hydroseeded and grass is growing. 7/13/06 Soil within the Zolnik property will be compacted and eventually stabilized. It remains contained. 7/13/06	**Stockpiles should continue to be located away from the roadway and storm drain. Place seed for temporary stabilization of any stockpiles that will remain unmoved for more than 14 days. 7/13/06**	**Existing stockpiles have been seeded.**
	Large expanses of disturbed soil on site will continue to make sediment attenuation difficult at stormwater inlet areas. Any areas that will be unworked for several weeks should be stabilized. 7/13/06	**Consider placing seed as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. Also, add smaller stone to the site entrance to the road for filtration. 7/13/06**	**Needs evaluation for feasibility**
	Spill cleanup materials were available on site and are being restocked as needed. 7/13/06	**Always use spill control materials when working on equipment and during refueling. 7/13/06**	**NA**
Additional Observations	**One spill kit is located under the right-of-way**	**Remove this spill kit and leave it as a back up**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	along the east side of the site, it is over grown with vegetation, and not being used. 7/13/06	**onsite if needed. 7/13/06**	

Next likely scheduled inspection: **Thursday July 20, 2006**

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*

Reviewer: *Diana Walden, Stephen Herzog*

Crushed stone construction entrance pad is still clean, with some minor sediment tracking visible on Carpenter Lane.

Grass growing on the newly seeded soil stockpiles.

Entire site from northwest corner looking southeast at major grading and blasting operations.

Bark mulch and silt fence along Carpenter Lane and new stone wall. Stormwater is being diverted to a settling area onsite.

Stone in place, holding the edges of catch basin filter fabric.

New water settling area dug in the southwest corner of the site.

Haybales were placed for additional filtration at the storm drain outlet. Water from the outlet was still turbid.

Water filtering through the haybales had improved clarity. Sediment accumulation from the previous rain events will be removed when conditions have dried out.