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: **September 13, 2006**

Inspector: **Matthew Creighton**

Location: **Beseck Switching Station**

Rainfall: **No precipitation has been reported since the previous inspection for 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. Some tracking was noted, mostly dust from the trucks leaving the site. New stone was added to the entrance pad. 9/13/06	Continue to clean/refresh stone construction entrance. Continue to keep Carpenter Lane clear of stone. 9/13/06	Stone continues to be pulled back from roadway and refreshed with new stone.
	Small settling area created from recent rains near the stone entrance is almost dry. 9/13/06	Monitor water level and clean stone as needed. 9/13/06	NA
	Street sweeping continues daily at the site. 9/13/06	Street sweeping should continue to be performed and soil removed from the gutter, by hand if necessary. 9/13/06	Sweeping continues.
	Equipment has done some damage to the road surface. 8/24-9/13/06	Clean and repair road surface as needed. 8/24-9/13/06	Needs attention when feasible
	Haybales remain at the edge of the entrance pad, with small stones at the corners of the catch basins (CBs) to secure the filter fabric. 9/13/06	Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 9/13/06	Haybales are placed across the stone entrance prior to any rain event.
	Silt barrier liners in CBs should be replaced. 9/13/06	Continue to monitor and maintain liners as needed. 9/13/06	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction	**Grading onsite continues; excavation to the north, filling to the south. 9/13/06**	**Erosion controls may need to be adjusted as grading changes. 9/13/06**	**NA**
	The new storm drain system is in place. Permanent detention basins have not been established. 9/13/06	**Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 9/13/06**	**NA**
Erosion and sediment controls	**Exposed loam along Carpenter Lane and between the new block retaining walls has been fertilized. 9/13/06**	**Seed loamed areas as soon as possible. Monitor carefully for erosion until grass is established. 8/24-9/13/06**	**Needs attention when feasible.**
	Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 9/13/06	**Continue to inspect and maintain silt fence throughout site and repair as needed. 9/13/06**	**NA.**
	Pumping of the settling area has occurred occasionally and water is slowly settling out of the storm water outlet across Carpenter Lane. 9/13/06	**When pumping is need in the future monitor closely and use a vacuum truck if needed. 9/13/06**	**Water being pumped from settling area has been reduced and a pumping schedule was developed.**
	Haybales at drain outlet across Carpenter Lane have been replaced and silt was removed from the outlet pipe. Wetland contains clear water. 9/13/06	**Sediment should continue to be removed from the outlet pipe and haybales inspected and replaced as needed. 9/13/06**	**Haybales replaced, sediment removed from the outlet pipe.**
	New CBs remain protected and covered with filter fabric. 9/13/06	**Inspect and maintain CB protection**	**NA**
	Temporary settling area remains in the southwest portion of site. 9/13/06	**Area currently holds standing water. 9/13/06**	**NA**
	Temporary settling area within the gravel driveway is almost dried. New stone was added. 9/13/06	**None 9/13/06**	**New stone was added.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls (continued)	**Haybales remain at the end of the driveway to reduce sediment from leaving the entrance pad. 9/13/06**	**Continue to maintain as necessary. 9/13/06**	**NA**
	Haybales installed across old Zolnik driveway look secure. Stone berms were in place along the driveway for added filtration. Water bar was added on the driveway at the tree line along the top of the site. 9/13/06	**Continue to monitor. 9/13/06**	**Water bar installed.**
	Stabilize areas expected to remain unworked for more than 14 days. 9/13/06	**Additional stabilization of open areas with seed, mulch, or straw should be considered to help reduce sediment loads in run-off (as applicable). 7/13-9/13/06.**	**Continue to evaluate.**
	Hay mat rolls are onsite to help stabilize the back slope once seeded. 9/13/06	**Use mats as needed on steep slopes to prevent loss of new seed and help stabilize the area.**	**Hay mats are ready for use.**
Inland Wetland and Watercourse encroachment and mitigation	**Wetlands on east side of site were clean and well protected. 9/13/06**	**Continue to monitor. 9/13/06**	**NA**
	The wetlands across Carpenter Lane have additional, slight sediment accumulation and outlet pipe has turbid water due to occasional pumping from the settling basin. 9/13/06	**Continue to monitor. The wetland sediment accumulation is not extensive at this time and removal would likely do more harm than good. 9/13/06**	**Sediment was removed from the outlet pipe and a pumping schedule was put in place.**
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 9/13/06**	**NA**
Vegetative clearing or stabilization	**All vegetative clearing was complete as of 6/8/06**	**None 9/13/06**	**NA**
	Grass growth is present at the soil stockpiles along western driveway and in	**Stockpiles should continue to be located away from the road and**	**Temperatures have cooled and vegetation is growing naturally in**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the southeastern area. Growth was also noted on the compacted soil in the old Zolnik property. Some vegetation has started to grow along the northern slope. 9/13/06	**drains. Place seed for temporary stabilization of any stockpiles that will remain in place for more than 14 days. Consider watering new growth if necessary. 9/13/06**	**some areas.**
Dewatering	**Dewatering of the larger settling basin has been reduced. See Erosion control section for details. 9/13/06**	**Consider using a vacuum truck to remove water from site if needed. Continue to monitor 9/13/06**	**Pumping has been reduced.**
Blasting	**All blasting was complete as of 9/7/06** **Rock crushing and loam screening are occurring and materials are being removed or used on site. 9/13/06**	**None 9/13/06** **Monitor dust, and moisten soil as needed. 8/17/06-9/13/06**	**NA** **NA**
Spills, soils and material storage	**Several large piles of new soil will be removed from the site. The remaining soil will stay onsite for use as fill. 9/13/06** **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. 9/13/06** **Spill cleanup materials were available on site and are being restocked as needed. 9/13/06** **Leaking vehicle located near the site entrance has spill controls under it and is waiting for a part to be fixed. 9/13/06**	**Soils appear to be handled appropriately. 9/13/06** **Consider placing seed, straw, mulch, or stone as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. 9/13/06** **Always use spill control materials when working on equipment and during refueling. 9/13/06** **Continue to monitor vehicle and replace spill controls as needed. Repair as soon as possible. 9/13/06**	**NA** **Needs evaluation for feasibility.** **NA** **Spill controls being used.**
Additional Observations	**NA**	**NA**	**NA**

Next likely scheduled inspection: **Wednesday September 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 refreshed with new stone, being compacted. Carpenter Lane should continue to be cleaned and swept, including the gutters, by hand if necessary.

Spill controls being used under a leaking vehicle.

Major grading operations looking from northwest to southeast.

Detention pond/settling area retaining stormwater run-off. Large stockpiles are also present.

New water bar across old Zolnik driveway at the tree line northwest corner of the site.

Loamed & fertilized area adjacent to the finished retaining walls should be seeded soon.

Sediment-laden water being flushed from the storm drain system and filtered before entering wetlands. Water pumping has been reduced. New haybales were added and sediment was removed from the outlet.

Clear standing water is now present in the wetland, small amount of sediment has settled out.

Photos by BSC Group