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: **October 19, 2006**

Inspector: **Matthew Creighton**

Location: **Beseck Switching Station**

Rainfall: **1.03" rain from 10/12 – 10/19 with 0.61" on 10/12. Additional rain was noted on the day of inspection. (as reported by NOAA at Meriden, CT).**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All truck traffic leaving the site is using stone entrance on east side. Sediment and dust have accumulated on Carpenter Lane however the roadway is being swept daily. 10/19/06	Clean/sweep roadway regularly; clean gutter by hand. Continue to monitor stormwater leaving the site; replace and add more controls as needed. 10/19/06	Needs attention: Contractors are discussing improving/ re-working the stone pad.
	Stone access pad was being raked out in an attempt to removed accumulated mud as part of the proposed improvements. 10/19/06	Continue to clean/refresh stone construction entrance; Trucking from site will be ending soon, reducing tracking potential. 10/19/06	Contractors are discussing grading out the stone pad and installing a berm.
	Equipment has done some damage to the road surface. 8/24-10/19/06	Clean and repair road surface as needed. 8/24-10/19/06	Roadway repairs will start once equipment is moved off site.
	Trucks have been entering the site from the new western driveway; no sediment or road damage was noted here. 10/19/06	Monitor road and erosion controls in driveway for sediment accumulation and damage; clean and repair as needed. 10/19/06	NA
	Haybales remain at the edge of the entrance pad and are placed across the new western site entrance when not in use. 10/19/06	Continue to be diligent about replacing haybales. 10/19/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	New haybales are needed across the old Zolnik driveway. 10/19/06	**Replace haybales as needed. 10/19/06**	**NA**
	New steel frames were installed in the new silt barrier liners in CBs in order to hold down the corners of the fabric. 10/19/06	**Continue to monitor and maintain liners as needed. 10/19/06**	**New steel frames added to liners.**
	A dam or filter product is needed to protect the curb drop inlet portion of the CBs and filter water through the new inlet protection. 10/19/06	**CB dams or similar can be installed within the inlet. 10/19/06**	**Needs attention**
	Liners have been installed in CBs across Carpenter Lane. 10/19/06	**Monitor and replace CB inserts as needed. 10/19/06**	**New liners installed.**
Foundation and site construction	**Grading onsite continues in the north, the south side of the site is at or near finish grade. 10/19/06**	**Erosion controls may need to be adjusted as grading changes. 10/19/06**	**NA**
	Construction of permanent detention basins is complete. Basins with liners were installed, loamed, and will be seeded next week. 10/19/06	**Monitor new storm water system controls with new grading changes. 10/19/06**	**Permanent detention basins installed.**
Erosion and sediment controls	**Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 10/19/06**	**Continue to inspect and maintain silt fence throughout site and repair as needed. 10/19/06**	**NA**
	Section of silt fence was removed along the south side of the site with the construction of the new site entrance. Haybales are placed across the entrance when entrance in not in use. 10/19/06	**Monitor haybales and repair or replace as needed, and at the end of each day. 10/19/06**	**NA**
	Haybales should be installed across old Zolnik driveway as this driveway in not currently	**Continue to maintain as necessary. 10/19/06**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls (continued)	**being used. Stone berms and the water bar along the drive were disturbed by trucks. 10/19/06**		
	The temporary settling basin has been filled in the process of constructing permanent detention basins. Filter fabric controls remain in place over and around the drain inlets. 10/19/06	**Monitor permanent detention basins for erosion until grass cover is established. 10/19/06**	**Permanent basins installed.**
	Sediment has started to settle out in the storm water pipe outlet and within the wetland. New haybales were installed here 10/19/06	**Sediment should be removed from the outlet pipe as needed. 10/19/06**	**New haybales were installed here. Still needs some attention.**
	Truck traffic leaving the site has been reduced. Street sweeping is occurring daily. New silt liners were placed in CBs. 10/19/06	**Additional controls (new silt liners) are in place along the road; more controls may be needed to prevent turbidity in the wetland.. Continue to sweep roadway. 10/19/06**	**Contractor has made several new site adjustments to reduce sediment loads.**
	Monitor new silt liners in CB's and other sediment and erosion control measures: haybales at outlet pipe are last line of defense. 10/19/06	**New methods to control sediment in storm water need to be monitored. Attention should be paid first paid stabilizing of exposed soils, including roadway soil tracking, then to additional drain inlet protection. Contractors are planning to re-work/improve the stone access, which may help. 10/19/06**	**New CB inlet protection installed; monitor area closely.**
	New CBs on site remain protected and covered with filter fabric. Fabric should be replaced as needed if obstructed by sediment. 10/19/06	**Inspect and maintain CB protections as needed. 10/19/06**	**NA**
	Grass growth continues at southern site slope along Carpenter Lane.	**Continue to seed any remaining areas as soon as possible; the generally-**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	10/19/06	**recommended fall seeding season ended October 15th, but seed may still germinate. 10/19/06**	
Inland Wetland and Watercourse encroachment and mitigation	**Sediment in wetlands across Carpenter Lane has settled out. The outlet pipe contained standing water with settled sediment in the bottom of the pipe. 10/19/06** **Wetlands on east side of site were clean and well protected. 10/19/06**	**Accumulated sediment in wetland does not appear to warrant removal at this time but continue to evaluate. Sediment in the pipe outlet could be removed. New haybales were added. 10/19/06** **Continue to monitor. 10/19/06**	**Needs to be monitored.** **NA**
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 10/19/06**	**NA**
Vegetative clearing or stabilization	**Soil stockpiles in the old Zolnik property are vegetated and stable. The northern slope has been hydroseeded and erosion control mats remain in place, seed may not germinate until spring. Southern slopes are vegetated and stable. 10/19/06** **The generally-recommended fall seeding season ended October 15th. 10/19/06**	**Stockpiles should continue to be located away from the road and drains. Place winter rye seed for temporary stabilization of any stockpiles that will remain in place for more than 14 days. 10/19/06** **Attempt to seed temporarily or permanently inactive areas with winter rye as soon as possible. 10/19/06**	**Grass is growing in some seeded areas.** **NA**
Dewatering	**If dewatering is required, any pumping must be monitored to prevent sedimentation of wetland. 10/19/06**	**If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 10/19/06**	**NA**
Blasting	**All blasting was complete as of 9/7/06.** **Rock crushing and loam screening are completed and equipment is being**	**None 10/19/06** **None 10/19/06**	**NA** **NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	moved off site. 10/19/06		
Spills, soils and material storage	**The majority of remaining soil on site will continue to be used as fill. Trucking/removal of soil is almost complete. 10/19/06**	**Soils appear to be handled appropriately. 10/19/06**	**NA**
	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. 10/19/06	**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. 10/19/06**	**Hydroseeding, hand seeding, and hay mats are being used in some completed areas.**
	Spill cleanup materials were available on site and are being used and restocked as needed. 10/19/06	**Always use spill control materials when working on equipment and during refueling. 10/19/06**	**NA**
Additional Observations	**NA**	**NA**	**NA**

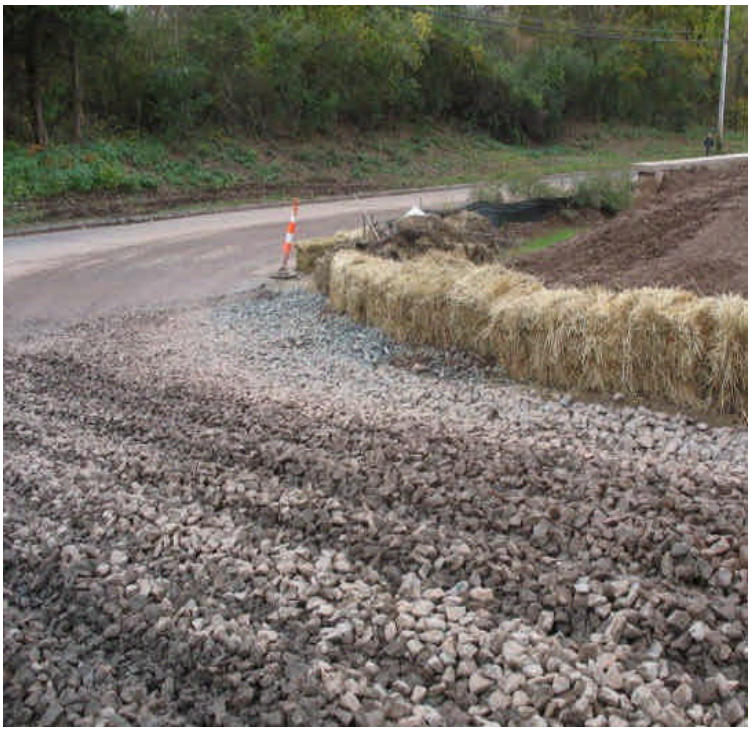
Next likely scheduled inspection: **Thursday October 26, 2006**

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*

New site entrance along Carpenter Lane.



Carpenter Lane has observable sediment tracking and the roadway should be swept regularly. The entrance pad was cleaned. Entrance pad improvements are planned in the near future.

Remaining soil removal and grading along the northern slope.

Southern side of site, looking from northwest to southeast.

Final grading and installation of detention basins above the new retaining walls along Carpenter Lane.

Grass growth is present along retaining walls at Carpenter Lane; Area is stabilizing.

Sediment has started to settle out in the bottom of the storm drain outlet. New haybales have been installed.

Sediment in the wetland has settled out and water is no longer turbid It does not appear that sediment removal is needed at this time. Continue to evaluate.

Photos by BSC Group