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: **November 6, 2007**

Inspector: **Matthew Creighton**

Location: **Beseck Switching Station**

Rainfall: **0.85" of precipitation was recorded in the week prior to inspection with 0.67" of the total reported on 11/6 (NOAA data at Meriden, CT).**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	**Despite efforts such as erosion control mats and seed in place over previously disturbed soil shoulders, turbid run-off was noted coming from the eastern access road during the rain event. Grass growth was noted but soils are not fully stabilized. Sub-base is in place, awaiting final paving. 11/6/07**	**Continue to monitor controls until the site is at final stabilization with established vegetative cover. New haybales are needed at the entrance to Carpenter Lane. 11/6/07**	**Turbid water was noted. Needs regular attention.**
	1A contractors continue to access the ROW from the original access off Carpenter Ln. A stone entrance pad was installed and sediment tracking had been cleaned. 11/6/07	**Continue to maintain and work out schedule with 1A contractors to share responsibility. 11/6/07**	**Not Applicable (NA) See 1A report for more details.**
	Despite controls such as erosion control mats and seed in place along the shoulders of the western site access, turbid run-off was also noted flowing from this entrance. Sub-base is in place for final paving. Haybales should be replaced across the	**Continue to monitor this entrance during rain events and replace haybales across the entrance until stable. 11/6/07**	**Turbid run-off was noted. Needs regular attention.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	entrance. 11/6/07		
Access roads and adjacent roadways (continued)	**Beseck contractors have placed new stockpiles, used for road construction, on the old western site entrance. Haybales had been removed from the site entrance for access so controls are in place; mulch/seed remain on exposed soils. 11/6/07**	**Even though work in this area has been recently part of 1A activities, Beseck contractors are now responsible for the new stockpiles. Controls are needed at the edge of Carpenter Lane and across the entrance. 11/6/07**	**Needs attention.**
	Catch basin controls along Carpenter Lane have been cleaned and replaced. 11/6/07	**Continue to clean/sweep roadway and maintain catch basin controls on a regular basis. Clean gutters by hand and replace liners as necessary. 11/6/07**	**Catch basin controls have been replaced.**
	The two access driveways and areas of Carpenter Lane that were damaged by equipment months ago during active work should be paved during the next several weeks. 10/30-11/6/07	**Paving should be completed within the next few weeks. 10/30-11/6/07**	**Areas of Carpenter Lane are to be revisited when paving occurs on site.**
Foundation and site construction	**Grading along the access roads appears complete. Road sub-base is in place on both access drives and within the substation. The majority of the site work is complete, but contractors continue to work on wiring. 11/6/07**	**Continue to monitor. 11/6/07**	**NA**
Erosion and sediment controls	**Riprap dissipater pads remain at the drain inlets in the permanent detention basins. Clear standing water was noted. 11/6/07**	**Add seed to areas exposed by removal of erosion controls if necessary. 11/6/07**	**NA at this time.**
	Previously exposed areas along the edges of the access drives remain temporarily stabilized with seed, mulch and	**Continue to monitor for final stabilization and vegetative cover. Replace haybales at entrances in an effort to reduce turbid**	**Still needs regular attention despite good efforts to stabilize.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	erosion control blankets. Despite efforts, sediment is still leaving the site via stormwater. 11/6/07 **Haybales were removed from the stormwater outlet pipe at the wetland across Carpenter Lane (10/23). Accumulated sediment from beneath the haybales remains at the outlet. 10/23-11/6/07 Water within the outlet and wetlands was turbid again during the rain event. 11/6/07**	**run-off. 11/6/07** **Remove all visible, accumulated sediment filtered by the haybales and deteriorated hay from the wetlands and outlet. 10/23-11/6/07 Replace controls as needed to protect the wetlands until access road work is complete and the site is at final vegetative cover throughout. 11/6/07**	**Needs additional attention and sediment removal.**
Inland Wetland and Watercourse encroachment and mitigation	**Haybales have been removed from the outlet and the wetlands across Carpenter Lane (10/23). Sediment accumulation was noted within and around the outlet where the haybales had been. 10/23-11/6/07 Despite good efforts, access roads are not fully stabilized/at final surfaces and turbid water was noted leaving the site and entering the wetlands. 11/6/07**	**Continue to remove all visible sediment from within and around the outlet (and whatever is feasible from within the pipe). Seed the area with a wetland seed mix for final stabilization. Access roads are not fully stabilized/paved, therefore haybales should be replaced during heavy rain. 10/23-11/6/07**	**Replace controls. Sediment needs some additional attention.**
State species of concern, threatened and endangered species.	**According to the D&M plan, state-listed species are not located in this work area. 11/6/07** **Several different species of frogs, turtles, and salamanders have been noted in wetlands south of Carpenter Ln. and east of Beseck this spring and last year. 11/6/07**	**None. 11/6/07** **Although these species were not state-listed, it indicates good habitat. Continue to make good efforts to reduce impacts to these wetlands to the extent possible. 11/6/07**	**NA** **NA**
Vegetative clearing or stabilization	**The hydroseeded and landscaped areas around site are at the 75% or greater vegetative cover mark except for small areas recently seeded**	**Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize washouts. Hand seed the sparse areas of**	**Haybales should be replaced at the ends of the access roads and within the wetlands during rain events.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	along the access roads. Erosion control mats remain in place on steep slopes and are in place along the edge of the access road. 11/6/07	**vegetation to increase stabilization as needed. 11/6/07**	
Dewatering	**Foundations are complete and no dewatering should be required. 11/6/07**	**If future storms overwhelm the capacity of the basins, the controls will have to be revisited. 11/6/07**	**NA at this time.**
Blasting	**All blasting was complete as of 9/7/06.**	**None. 11/6/07**	**NA**
Spills, soils and material storage	**Spill cleanup materials were available on site and are being used and restocked as needed. 11/6/07** **Small stockpiles of access road sub-base were noted onsite 10/23-11/6/07 Stockpiles had been moved near the old western access but controls were not in place. 11/6/07**	**Always use spill control materials when working on equipment and during refueling. Final house keeping should occur as activities wrap-up. 11/6/07** **Monitor sub-base and remove additional material as feasible. 10/23-11/6/07 Haybale controls are needed to contain stockpiles at the old western entrance. 11/6/07**	**NA** **Needs attention.**
Additional Observations	**None 11/6/07**		

Next likely scheduled inspection: **Tuesday November 13 , 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: *Matt Creighton, BSC Group*

Reviewer: *Diana Walden, BSC Group*

Eastern side of the site, view from Carpenter Lane. Exposed areas have been covered with seed and erosion control mats, however turbid water continues to leave the site during rain events.

Clear, standing water noted at the drain inlets within the detention basin.

Road base was installed at final grade and a drainage swale remains along the western access road. Erosion control mats have been installed over exposed soil. Turbid water was still leaving the site despite the controls. Replace haybales as needed across all entrances.

View of the outlet across Carpenter Lane where turbid water was still noted in the wetlands during a rain event. Efforts should be made to remove all visible, settled sediment at the outlet and within the pipe. Seed the disturbed area with wetland mix. Evaluate replacing haybales here until the site has final vegetative cover throughout and there is no further turbid run-off.

Photos by BSC Group