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 11, 2007**

Inspector: **Matthew Creighton**

Location: **Beseck Switching Station**

Rainfall: **1.17" of precipitation was recorded in the week prior to inspection with 1.16" of the total reported on 9/11 (NOAA data at Meriden, CT).**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	**Turbid water was noted flowing from the eastern site entrance after a period of heavy rain. Sediment onsite is fine and difficult to control during larger storms. A few haybales remain in place but run-off was flowing around to the offsite catch basins. 9/11/07**	**Continue to monitor controls in an attempt to contain and filter the run-off until the site is fully stabilized. Stone should be refreshed as needed. If soil/stockpiles exposed by 1A contractors need additional controls to prevent run-off, they should be involved in the solutions here. 9/11/07**	**Needs regular attention**
	Stone was placed in the eroded channels/ washouts along the western site entrance. 9/11/07	**Continue to monitor the area for washouts and turbid run-off. 9/11/07**	**Stone was added to the access road washouts.**
	The stone access east of Beseck remains in place to reduce tracking to the main pad. Turbid run-off was noted ponding on the access. 9/11/07	**Continue to maintain and work out schedule with 1A contractors to share responsibility. 9/11/07**	**Not Applicable (NA)**
	Previous access to the west of the site has been re-established by 1A contractors. Soil stockpiles remain along the access. Haybales remain across the site	**Even though work in this area was previously listed as part of Beseck activities, 1A contractors are now responsible for active work here. Please review 1A reports for**	**NA- Not jurisdictional to this report. Please see 1A reports for details.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways (continued)	**entrance and mulch/seed remain on exposed soils. 9/11/07**	**more information. 9/11/07**	
	The sediment trap at the culvert under the ROW access road had turbid water flowing from the 1A access. Haybales were in place in the drainage ditch to slow and filter stormwater as it flows into the basin from BSS. Stormwater from BSS was clear. 9/11/07	**Continue to monitor the area to determine if more controls are needed. Review Segment 1A reports for more information. 9/11/07**	**Clear water flowing from Beseck. See 1A report.**
	Gutters along Carpenter Lane should be cleaned and liners replaced after today's storm. 9/11/07	**Clean/sweep roadway regularly, including the gutters by hand if necessary. 9/11/07**	**Needs regular attention**
	The CB within the entrance drive cannot be sealed yet so a drainage ditch remains in place to prevent turbid water from flowing into the storm-water system. 9/11/07	**CB will be sealed during final grading. Continue to monitor existing controls. 9/11/07**	**NA**
	The two access driveways and areas of Carpenter Lane that were damaged by equipment months ago during active work should be paved prior to the asphalt plants closing this fall. 9/4-9/11/07	**Paving should be completed this fall. 9/11/07**	**Areas of Carpenter Lane were to be revisited when paving occurs on site.**
Foundation and site construction	**Minor grading continues as needed. Excavations for foundation work appear complete, small soil stockpiles have been graded and area covered with stone. Contractors continue to work on structures/wiring. 9/11/07**	**Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. Continue to monitor and control soil stockpiles generated at the new excavations, as needed. 9/11/07**	**NA**
Erosion and sediment controls	**Filter fabric and numerous haybales remain in place over and around the drain inlets in**	**Continue to monitor and replace haybales as needed within the detention basins, or**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the permanent detention basins. Haybales within the detention basins are deteriorating. Riprap dissipater pads remain at the inlet to the basins. 9/11/07	**remove haybales and stabilize the immediate area. Surrounding areas were stable. 9/11/07**	
	A few small washouts were noted on slopes on site despite the establishing vegetative cover. 8/2-9/11/07	**Continue to monitor the site for vegetative cover, until fully stabilized. Repair larger washouts if needed. 8/2-9/11/07**	**Continue to monitor**
	Haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. Outlet and wetlands again have turbid water flowing through during a storm bringing over 1" of rain. Wetlands now have full vegetative cover over the accumulated sediment. The accumulated sediment in the culvert was removed prior to this storm. 9/11/07	**Continue to monitor and replace haybales as needed at the storm drain outlet. Continue addressing stormwater issues at the source. Upon finalization of all work upgradient of the receiving outlet, remove haybales and seed the area with a wetland seed mix. Evaluate the area for further sediment accumulation. 9/11/07**	**Accumulated sediment was removed from the culvert before this storm.** **Continue to evaluate.**
	A small stockpile located on the western site access will be used to grade the access during paving. 9/11/07	**Add controls around stockpile or relocate the stockpile where it cannot run offsite. 9/11/07**	**Needs controls.**
Inland Wetland and Watercourse encroachment and mitigation	**Sediment accumulation was noted within the wetlands across Carpenter Lane. Haybales still don't appear capable of containing all sediment during peak flows. The wetland has revegetated and is stable over the area of accumulated sediment. It appears removal of sediment would cause more disturbance at this point. Turbid water was present in the wetlands again due to a 1"+ storm 9/11/07**	**Several areas in the wetland have sediment accumulation as a result of past run-off from the site. Due to the full vegetative cover in the wetlands, it is not advised to remove sediment from the wetlands at this time. Upon finalization of all work areas on and adjacent to the site, haybales should be removed and the area seeded with a wetland seed mix. 9/11/07**	**Continue to evaluate and add controls as needed.** **Sediment was removed from the drain outlet prior to the storm.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species.	**According to the D&M plan, state-listed species are not located in this work area. 9/11/07**	**None. 9/11/07**	**NA**
	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. 9/11/07	**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. 9/11/07**	**NA**
Vegetative clearing or stabilization	**Some of the hydroseeded and landscaped areas around site are at the 75% vegetative cover mark. Erosion control mats remain in place on steep slopes. Minor washouts have been noted on the slope located on the western boundary despite the establishing cover. 8/14-9/11/07**	**Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize washouts. Continue to monitor the area for vegetative cover, until fully stabilized. Hand seed the sparse areas of vegetation to increase stabilization as needed. 9/4-9/11/07**	**Grass cover is almost fully established in hydroseeded areas. Washouts need attention when feasible**
	All grading and landscaping appears complete. 9/11/07	**Monitor areas for full stabilization. 9/11/07**	**NA**
Dewatering **(***As of 1/12/07 contractors stated: the detention ponds will be monitored during rain events and spring thaw to ensure that neither pond reaches capacity. Water will be pumped to the larger pond and then to the frac tank if any component of the system is reaching capacity.)*	**Foundations are complete and no dewatering should be required. 9/11/07**	**If future storms overwhelm the capacity of the basins, the controls will have to be revisited. 9/11/07**	**NA at this time.**
	Muddy River, located down-gradient from the wetland across Carpenter Lane, is also being monitored. At this time no turbidity from the site appears to have reached Muddy River. 9/11/07	**Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 9/11/07**	**NA**
Blasting	**All blasting was complete as of 9/7/06.**	**None. 9/11/07**	**NA**
Spills, soils and material storage	**All remaining soil on site will be used as fill in construction activities. 9/11/07**	**Soils appear to be handled appropriately. 9/11/07**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Spill cleanup materials were available on site and are being used and restocked as needed. 9/11/07	**Always use spill control materials when working on equipment and during refueling. Basic house keeping should continue to be performed around the site regularly to keep trash from blowing off-site. 9/11/07**	**NA**
	The two small oil stains/drips noted last week in the stone along the western site entrance had been removed. 9/4/07	**Provide regular maintenance checks on equipment for leaks and clean spills. 9/11/07**	**Drips appeared to be removed.**
Additional Observations	**None 9/11/07**		

Next likely scheduled inspection: **Tuesday September 18, 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*

A view of stockpiles now noted in the eastern access road.

Haybales remain in place across the western site access drive.

Turbid run-off at the eastern site access during the storm which brought over 1-inch of rain. Despite all the stabilization measures, exposed soil is still creating run-off issues from the site. If 1A contractors are creating stockpiles, as part of their work, they will have to be part of solutions here.

Turbid water starting to fill the storm drain across Carpenter Lane.