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.

Segment 4c Underground Line

Date: **January 31, 2008**

Inspector: **Gregory Sommer**

Location: **Westport Avenue to the Norwalk Substation in the City of Norwalk**

Rain Event: **0.07" of precipitation was reported since the previous inspection, all of which was recorded on 1/30 (Bridgeport, CT NOAA data).**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within existing paved roadways and parking lots at this time. 1/31/08	None: 1/31/08	NA (Not applicable)
Vault Openings and Trench Construction Norwalk	Trenching work continues near sta. #4 along the Route 7 off-ramp and at sta. #24-25. 1/31/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 1/31/08	NA
Erosion and Sediment Controls	Controls were removed from catch basins (CBs) on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of CB controls on all roadways during winter months. 1/31/08	Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. 1/31/08	Needs regular attention.
	Silt fence at sta. #15-16 was repaired the week of 1/11. However, there is a small break in the fence downgradient from where a small gully has formed.	Monitor and maintain silt fence, install additional erosion control measures as necessary. Re-grade portions of the slope to remove the gully and toe-	Controls still need attention following repair last week.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	A minor amount of sediment has migrated beyond the barrier in this area despite the crushed stone covering the exposed soil. 1/24-1/31/08	**in the silt fence here. Use caution during future work to minimize unnecessary impacts to the surrounding areas. 1/24-1/31/08**	
	The haybales in disarray since 12/5/07 on the down gradient side of the slope near sta. #18 have now been reset and staked to form a continuous barrier. Soils remain temporarily stabilized with process material. 1/31/08	**Continue to maintain controls here as there appears to be a resource area down gradient. 1/31/08**	**Hay bales have been reset and staked.**
	A drainage inlet near sta. #9+50 was protected with silt fence and hay bales, but accumulated sediment remains in the inlet. 12/5-1/31/08 Hay bales are also beginning to deteriorate. 1/11-1/31/08	**Remove accumulated sediment from the drainage inlet. Continue to monitor controls and refresh as necessary. From past observations during the Bethel- Norwalk project, this inlet receives high velocity run-off. 12/5-1/31/08**	**Needs additional attention to remove accumulated sediment and refresh hay bales.**
	The inlet at #9+50 was associated with a pre-construction drainage swale. Trench work has modified the grades in the area (removing the swale) and the inlet no longer appears to function. 11/28/07-1/31/08.	**Contractors have stated they plan to restore the drainage swale to pre-construction conditions when work is complete. Continue to ensure that drainage does not cause issues on the roadway. 1/31/08**	**Continue to monitor.** *(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)*
	At sta. #8-9, erosion had caused previously exposed soil to wash under the chain link fence into the substation. (since 1/11). Crushed stone has been placed over more areas of the exposed soil between sta. #6-10 along the shoulder of the Rt. 7 off-ramp. 1/31/08	**Some soil remains exposed along this slope. Continue to monitor for erosion. Discuss options with CL&P on how to address the sedimentation that had previously occurred in the substation. 1/31/08**	**More stone was added but area may still need additional attention.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk Norwalk lay-down yard	**The yard is lined with perimeter erosion controls (silt fence and haybales). The area adjacent to the Norwalk River is protected by an existing concrete dock. 1/31/08**	**Install barrier controls between the Norwalk River in locations that runoff may flow from the yard to the River before materials are brought to site. The existing concrete slab/dock provides a good barrier. 1/31/08**	**Continue to monitor.**
	A small asphalt berm remains at the one tank located on the concrete slab in order to direct run-off towards the concrete pit. 1/31/08	**Continue to monitor to ensure run-off is fully contained. 1/31/08**	**NA**
Inland Wetland and Watercourse encroachment and mitigation	**The Norwalk storage yard is bound on the westerly side by the Norwalk River. The existing concrete dock provides good containment. 1/31/08**	**See erosion control section. 1/31/08**	**NA**
	It appears a resource area is located downgradient from the work near sta#17-18. Controls were reset in this area. 1/31/08	**See Erosion & Sediment Controls section for more details. 1/31/08**	**Controls were reset in this area.**
Staging, Storage, and Parking Areas	**A contractor lay-down yard is located at 6 Smith Street in Norwalk. An existing concrete slab and depression/pit provide good containment here. At present, only frac tanks are being stored in the yard. 1/31/08**	**Continue to properly isolate yard from Norwalk River to prevent any impacts to the watercourse. If any loose materials are stored on top of the slab, more controls will be needed. 1/31/08**	**Needs attention if working within exposed area**
Soils	**Soil is exposed during trenching, vault and utility installation during active work. 1/31/08**	**Soils appear to be handled appropriately. Ensure any material stockpiles are contained. 1/31/08**	**NA**
	Active work continues along the Rt. 7 off-ramp. Crushed stone has been spread over some areas of exposed soils. 1/31/08	**Stabilize areas of exposed soils when work is complete. Temporarily stabilize any areas where exposed soils are**	**Crushed stone has been spread.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
		expected to remain inactive for more than 21 days. 1/31/08	
State species of concern, threatened and endangered species.	**According to the D&M plan, state-listed species are not located in this work area. 1/31/08**	**None. 1/31/08**	**NA**
Vegetative clearing (including trees to save or danger trees noted) or stabilization	**Multiple trees have been cleared between sta. #15-18. 1/31/08**	**When work is completed, restore the area as indicated in the D&M plan. 1/31/08**	**NA**
Dewatering	**Dewatering activities were not observed during this week's inspection. 1/31/08**	**Continue to appropriately contain and/or filter discharge water. 1/31/08**	
Spills and Material Storage	**Spill cleanup materials/ kits should be brought from site to site with equipment. 1/31/08**	**Ensure that spill kits are present with each vehicle during active construction. 1/24/08**	**NA**
Additional Observations	**None. 1/31/08**	**None. 1/31/08**	**NA**

Next likely scheduled inspection: **Thursday, February 7, 2008**

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: *Gregory Sommer, BSC Group*

Reviewer: *Diana Walden, BSC Group*

Trenching and backfilling work continue near sta. #4 along the Norwalk substation fence and the Rt. 7 off-ramp.

Crushed stone has been placed over areas of exposed soil along the shoulder of the Route 7 off ramp near sta. #9. Additional erosion control measures may still be required to direct surface runoff away from the substation gate, where sedimentation has previously occurred. Permanent drainage restoration will also be needed at the conclusion of the work

The haybale barrier near sta. #18 has been re-established and the haybales are properly staked to the ground.

Trenching activities continue near sta. #24-25.

Photos by BSC Group