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: **April 17, 2008**

Inspector: **Gregory Sommer**

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

Rain Event: **0.32" of precipitation was reported since the previous inspection with 0.26" recorded on 4/12 (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. 4/17/08	None: 4/17/08	NA (Not applicable)
	Crews were actively sweeping the roadway at the trench work near sta #13-14. 4/1708	Continue to monitor. 4/17/08	Crews were actively sweeping the roadway.
Vault Openings and Trench Construction Norwalk	Trenching/ backfilling work continues near sta. #1-3, #13-15, #50-51, & #63-65. 4/17/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 4/17/08	NA
Erosion and Sediment Controls	Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls for the duration of the project and clean basins as necessary. 4/17/08	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. 4/17/08	Needs regular attention.
	Work is complete in the	Monitor and maintain silt	Needs attention when

Areas of Inspection	Observation	Recommended Action	Corrected Action
	area between sta. #15-18. Silt fence and haybale barrier remains along the graded slope. Processed material is in place to stabilize the soil but large areas had been exposed during the work. 3/20-4/17/08 **Sediment and debris is also beginning to accumulate along the silt fence. 4/10-4/17/08**	**fence, install additional erosion control measures as necessary. Temporarily stabilize exposed soils as soon as feasible, until they can be permanently stabilized in the spring. 3/20-4/17/08**	**feasible and needs stabilization within timelines.**
	A drainage inlet near sta. #9+50 was protected with silt fence and hay bales, but accumulated sediment remains in the inlet. 12/5-4/10/08 **Hay bales are deteriorating. 1/11-4/17/08**	**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. 12/5-4/17/08**	**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). A portion of the swale has been temporarily re-established between sta. #4+50 to 6+50 and lined with crushed stone. 4/17/08	**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. 4/17/08**	**Continue to monitor.** *(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)*
	A stone check dam remains near sta. #8 to direct runoff away from the entrance gate. Crushed stone remains over some areas of the exposed soil between sta. #6-10 along the shoulder of the Rt. 7 off-ramp. Graded processed material remains in other areas. Tracking was not an issue. 4/17/08	**Discuss options with CL&P on how to address the material that has previously eroded into the substation. Ensure that the berm does not cause sedimentation to the roadway instead. 4/17/08**	**Discuss options with CL&P on clean-up efforts within substation.**
	A large amount of soil is	**Ensure that the outlet**	**NA at this time.**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	exposed during grading/ earthwork for tie-in trenching at sta #1-3 4/17/08	**downgradient has controls in place. 4/17/08**	
	A minor amount of sediment was observed along the curbline near sta. #50+50-51+50. 4/3-4/17/08	**Sweep roadway as necessary to remove accumulated sediment. 4/3-4/17/08**	**Needs attention.**
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. 4/17/08**	**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. 4/17/08**	**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. 4/17/08	**Continue to monitor to ensure run-off is fully contained. 4/17/08**	**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. 4/17/08**	**See Erosion & Sediment Controls section for more details. 4/17/08**	**NA**
	A resource area appears to be located down gradient from the work near sta#15-18. 4/17/08	**See Erosion & Sediment Controls section for more details. 4/17/08**	**NA**
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. 4/17/08**	**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. 4/17/08**	**Needs attention if working within exposed area**
Soils	**Soil is exposed during trenching, vault and**	**Soils appear to be handled appropriately.**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	utility installation during active work. 4/17/08	**Ensure any material stockpiles are contained. 4/17/08**	
	Crushed stone has been spread over some areas of exposed soils along the Rt. 7 off-ramp. Processed material remains in other areas. This area remains inactive. 3/13-4/17/08	**Stabilize areas of exposed soils when work is complete. Temporarily stabilize any areas where exposed soils are expected to remain inactive for more than 21 days. 3/13-4/17/08**	**Needs stabilization per timelines.**
State species of concern, threatened and endangered species.	**According to the D&M plan, state-listed species are not located in this work area. 4/17/08**	**None. 4/17/08**	**NA**
Vegetative clearing (including trees to save or danger trees noted) or stabilization	**Multiple trees have been cleared between sta. #15-18. 4/17/08**	**When work is completed, restore the area as indicated in the D&M plan. 4/17/08**	**NA**
Dewatering	**Dewatering activities were not observed during this week's inspection. 4/17/08**	**Continue to appropriately contain and/or filter discharge water. 4/17/08**	**NA**
Spills and Material Storage	**Spill cleanup materials/ kits should be brought from site to site with equipment. 4/17/08**	**Ensure that spill kits are present with each vehicle during active construction. 4/17/08**	**NA**
Additional Observations	**None. 4/17/08**	**None. 4/17/08**	**NA**

Next likely scheduled inspection: **Thursday April 24, 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*

Earthwork is being performed near sta. #1-3 in preparation for final trenching to tie-in to the Norwalk Substation.

Backfilling continues between sta. #13-14. Crews were sweeping the roadway to reduce the potential for tracking.

Steel plates are in place near sta. #15 and handholes are being installed. Silt fence remains in place along the toe of the slope, but sediment is beginning to accumulate here.

Trenching continues near sta. #50-51. Steel plates are in place along the roadway and adjacent parking lot.

Photos by BSC Group