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: **October 3, 2008**

Inspector: **Lennox Keen**

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

Rain Event: **1.93" of precipitation was reported since the previous inspection, with the largest event of 1.60" recorded on 9/26 (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. Minor sediment/ cold mix accumulation was noted along the roadway near sta. #31-37. 10/03/08	Sweep roadways on a regular basis. Provide additional restoration to the curbing/ sidewalk here. 10/03/08	Needs regular attention
Vault Openings and Trench Construction Norwalk	Some restoration efforts were observed at sta. #0-10, sta. #14-18, sta. # 31+50 and near vault #3. 10/03/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. See erosion control section. 10/03/08	NA (Not applicable)
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. 10/03/08 The slope at sta. #14-18	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. Consider installing controls when work is immediately adjacent. 10/03/08 Continue to monitor the	Needs regular attention. Vegetative cover is

Areas of Inspection	Observation	Recommended Action	Corrected Action
	has been restored and seeded (since 9/12) but the area was not mulched. The area is now approximately 65% vegetated. Silt fence and hay bale barrier remains along the graded slope. 10/03/08	**area for permanent stabilization. Remove silt fence once stabilized. Haybales can remain. 10/03/08**	**increasing. Continue to monitor.**
	The area near sta. #4-10 has been re-graded to re-establish the swale. Topsoil has been spread and the area was seeded. Hay bale check dams remain along the swale However, multiple gullies have since formed as a result of heavy rains and the drainage inlet near sta. #9+50 is full of sediment. 9/12-10/03/08	**Continue to ensure that drainage does not cause issues on the roadway. Hay bale check dams and barriers had been installed but could not control the sediment.** **Regrade and stabilize areas of exposed soils with mulch and seed. 9/12-10/03/08**	**Needs attention.** *(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)*
	The inlet at #9+50 now has haybales surrounding it but obvious amounts of sediment have accumulated here and within the receiving catch basin. 9/12-10/03/08	**Stabilize the area and clean out the catch basin and inlet. 9/12-10/03/08**	**Needs attention.**
	Sedimentation into the substation yard has increased following the erosion of the topsoil recently applied over the slope. 9/12-10/03/08	**Discuss options with CL&P on how to address the material that has eroded into the substation. 9/12-10/03/08**	**Discuss options with CL&P on clean-up efforts within substation.**
	A minor amount of granular material was observed along the edge of the roadway near sta. #31-37. 10/03/08	**Sweep roadway as necessary to remove granular material.**	**Needs attention.**
Inland Wetland and Watercourse encroachment and mitigation	**A resource area appears to be located down gradient from the work near sta#15-18. 10/03/08**	**See Erosion & Sediment Controls section for more details. 10/03/08**	**NA**
Staging, Storage, and Parking Areas	**None. 10/03/08**	**None. 10/03/08**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
Soils	**Soil has been is exposed during trenching, vault and utility installation during active work. Exposed soil near sta# 0-4 was recently hydro-seeded and is beginning to vegetate. 10/03/08**	**Soils appear to be handled appropriately. Continue to monitor the area for vegetative cover. 10/03/08**	**Area was beginning to vegetate.**
	Topsoil was recently spread over the work area along the Rt. 7 off-ramp near sta #4-9+50 but remained exposed going into a period of heavy rain. Eroded gullies and washouts formed in many locations, resulting in sedimentation. 9/12-10/03/08 **Most areas are approx. 40% vegetated, except in areas where vehicles are traveling. 10/03/08**	**Work quickly to regrade and stabilize these exposed soils. Provide seed and thick mulch to reduce exposure to erosion. Haybale check dams are present but were not successful in containing the area. 9/12-10/03/08**	**Some grass cover was noted but needs 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. 10/03/08**	**None. 10/03/08**	**NA**
Vegetative clearing (including trees to save or danger trees noted) or stabilization	**Multiple trees have been cleared between sta. #15-18. The area was regraded but was not mulched. Grass cover contineus to establish however. 10/03/08**	**When work is completed, restore the area as indicated in the D&M plan. Exposed topsoil may still need stabilization measures. 10/03/08**	**Grass cover was starting to grow but may need stabilization.**
	The area near the Norwalk substation perimeter (sta. #0-4) has been backfilled, re-graded, hydro-seeded and trees have been planted. The area is beginning to vegetate. Areas downgradient remain exposed. 10/03/08	**Continue to monitor area for stabilization. 10/03/08**	**Sta #0-4 is beginning to vegetate.** **Areas downgradient need attention.**
Dewatering	**Dewatering activities were not observed during this**	**Continue to appropriately contain and/or filter**	**NA**

Areas of Inspection	Observation	Recommended Action	Corrected Action
	week's inspection. 10/03/08	**discharge water. Ensure clean water from vaults is discharged directly to catch basins. 10/03/08**	
Spills and Material Storage	**Spill cleanup materials/ kits should be brought from site to site with equipment. 10/03/08**	**Ensure that spill kits are present with each vehicle during active construction. 10/03/08**	**NA**
Additional Observations	**None. 10/03/08**	**None. 10/03/08**	**NA**

Next likely scheduled inspection: **Friday, October 10, 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: *Lennox Keen, BSC Group*

Reviewer: *Diana Walden, BSC Group*

The area outside of the Norwalk substation near sta. #0-4 has been seeded and the area is beginning to vegetate. The drainage swale has been restored however, heavy rain has caused portions of the swale to fill in with sediment.

The slope at sta. #14-18 has been re-graded and is approximately 65% vegetated. Silt fence and hay bale barrier remains along the graded slope. Construction materials noted here are not related to the M/N project.

The median area near sta. #31+50 has been restored. Additional restoration to the curb and sidewalk is still required.

Tie-in work has been completed near sta. #38 and the area has been temporarily paved.