

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: December 12, 2007

Inspector: Gregory Sommer & Margaret Washburn

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

Rain Event: 0.46” of precipitation was reported since the previous inspection, with 0.29” of the total recorded on 12/09 (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. 12/12/07	None. 12/12/07	NA (Not applicable)
Vault Openings and Trench Construction Norwalk	Steel road plates were observed at the time of the inspection at sta. #11-12 & #20-21. Trenching continues near sta. #5-7 along the shoulder of the roadway. Stone fill remains along the slope near #15. 12/12/07	None. See erosion control section for more details. 12/12/07	NA
Erosion and Sediment Controls	As roadway work continues, place filter fabric or filter socks in catch basins that are down-gradient of/ adjacent to construction activities. 12/12/07 Haybales previously placed along the down gradient side of the slope near sta. #18 have been moved, no longer forming a continuous barrier. Lumber materials and a trench	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 12/12/07 Reset haybales along the base of the slope and stake to secure bales in place. Provide temporary stabilization for exposed soils within approved timelines. 12/12/07	Needs regular, proactive attention Needs attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Norwalk Norwalk lay-down yard</p>	<p>box were piled here. Soils remain exposed since 11/21. 12/5-12/12/07</p>	<p>Area is at 21 days. 12/12/07</p>	
	<p>Silt fence has been proactively installed along the base of the slope near sta. #15-16 during trench work. However, in several places, the soil has piled up and is overtopping the fence. 12/5-12/12/07</p>	<p>Remove soils which have overtopped the silt fence and reinforce fence. Use caution during future work to minimize unnecessary impacts to the surrounding areas. 12/5-12/12/07</p>	<p>Needs attention.</p>
	<p>A drainage inlet near sta. #9+50 remains protected with silt fence and hay bales, however accumulated sediment remains. 12/5-12/12/07</p>	<p>Remove accumulated sediment from the drainage inlet. Continue to monitor controls. From past observations during the Bethel- Norwalk project, this inlet receives high velocity run-off. 12/5-12/12/07</p>	<p>Silt fence and haybales installed to protect inlet. Sediment needs additional attention.</p>
	<p>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, but was not identified on the D&M plan. 11/28-12/12/07</p>	<p>Further evaluation is required here. Contractors must ensure that drainage meets pre-existing conditions and does not cause issues on the roadway. The drainage swale will likely require restoration. 11/28-12//07</p>	<p>Needs attention and further evaluation. <i>(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</i></p>
	<p>A large area of backfilled soil remains exposed between sta. #6-10 along the shoulder of the Rt. 7 off-ramp since 11/28. New silt fence and a hay berm were installed at sta. #6 on 12/12. Minor rutting was observed in this area but tracking was not an issue at this time. 12/12/07</p>	<p>Temporarily stabilize areas of exposed soils in a way that is sufficient for winter months. Attend to this within timelines approved by the D&M. 11/28-12/12/07 From past experience with Bethel-Norwalk, this area has a high potential for erosion. 12/5-12/12/07</p>	<p>Silt fence was added but the area still needs attention.</p>
	<p>The yard is lined with perimeter erosion controls (silt fence and haybales). The area</p>	<p>Install barrier controls between the Norwalk River in locations that runoff may flow from the</p>	<p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>adjacent to the Norwalk River is protected by an existing concrete dock. 12/12/07</p> <p>A small asphalt berm remains at the one tank located on the concrete slab in order to direct run-off towards the concrete pit. 12/12/07</p>	<p>yard to the River before materials are brought to site. The existing concrete slab/dock provides a good barrier. 12/12/07</p> <p>Continue to monitor to ensure run-off is fully contained. 12/12/07</p>	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. 12/12/07	See erosion control section. 12/12/07	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. 12/12/07	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. 12/12/07	Needs attention if working within exposed area
Soils	Soil is exposed during trenching, vault and utility installation during active work. 12/12/07	Soils appear to be handled appropriately. Ensure any material stockpiles are contained. 12/12/07	NA
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	The slope along sta. #15-16 has been cleared. The work area at sta. #16-18 was recently backfilled (as of 11/21) and exposed soils are present. Backfilled and exposed soils are also present between #6-10 (as of 11/28). 12/12/07	Stabilize within D&M approved timelines whenever work is complete in an area. Soils at sta# 16-18 have been exposed for 21 days. 12/12/07	Needs attention within timelines.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering activities were not observed at this time. 12/12/07	Continue to appropriately contain and/or filter discharge water. 12/12/07	NA
Blasting	No blasting has been proposed. 12/12/07	None. 12/12/07	NA
Spills and Material Storage	Spill cleanup materials/kits should be brought from site to site with equipment. 12/12/07	Ensure that spill kits are present with each vehicle during active construction. 12/12/07	NA
	Some lumber materials were noted, stored on or beyond the haybales at sta. # 16-18. Haybales were shifted as a result. 12/12/07	Remove materials as construction progresses away from the area. Stabilize exposed soils. 12/12/07	Needs evaluation
	Trench plates were noted beyond the silt fence at sta. #15. 12/12/07	Remain aware of limits of work. Remove materials as construction moves from the area. 12/12/07	Needs regular attention.
Additional Observations	None. 12/12/07	None. 12/12/07	NA

Next likely scheduled inspection: Thursday, December 20, 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: Gregory Sommer & Margaret Washburn, BSC Group

Reviewer: Diana Walden, BSC Group



Silt fence has been proactively installed along the base of the slope near sta. #15-16. In several places, the soil/stone had piled up and was overtopping the fence.



Haybales previously placed along the downgradient side of the slope near sta. #18 have been moved and no longer form a continuous barrier. Exposed soils remain. Materials were being stored in the area.



Trenching continues along the off-ramp to Rt. 7 near sta. #5-7 and adjacent to the Norwalk substation.



A large area of backfilled soil remains exposed between sta. #6-10 along the shoulder of the Rt. 7 off-ramp. New silt fence was installed at sta. #6. Minor rutting was observed in this area but tracking was not an issue at this time. The drainage swale downgradient from this area still needs evaluation.