

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 21, 2007

Inspector: Gregory Sommer

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

Rain Event: 1.24" of precipitation was reported since the previous inspection, with 0.74" of the total recorded on 12/13 and 0.37" on 12/16 (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. 12/21/07	None. 12/21/7	NA (Not applicable)
Vault Openings and Trench Construction Norwalk	At the time of the inspection, work continues near sta. #16-18. A chain link fence was removed to facilitate work. Trenching (and backfill) continues near sta. #5-7 along the shoulder of the Rt. 7 off-ramp. Stone fill remains along the slope near sta# 15 and some work was noted on vault #1. 12/21/07	None. See erosion control section for more details. 12/21/07	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. 12/21/07  Haybales previously placed along the down	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 12/21/07  Reset haybales along the base of the slope and	Needs regular, proactive attention  Needs attention. Needs controls.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>gradient side of the slope near sta. #18 have been moved, no longer forming a continuous barrier (since 12/5). Lumber materials and a trench box were piled here. Soils remain exposed since 11/21. However, work has since returned here. 12/21/07</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 stone/soil has piled up and is overtopping the fence. 12/5-12/21/07</p> <p>A drainage inlet near sta. #9+50 remains protected with silt fence and hay bales, however accumulated sediment remains. 12/5-12/21/07</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. 11/28-12/21/07</p> <p>Backfilled soil remains exposed between sta. #6-10 along the shoulder of the Rt. 7 off-ramp since 11/28. Active work was occurring between sta. #5-7. Silt fence and a hay berm were installed at sta. #6 on 12/12. Minor</p>	<p>stake to secure bales in place. Controls are needed as there is no barrier between work and what appears to be a resource area down gradient. 12/21/07          Area was at 21 days before work returned. 12/21/07</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. 12/5-12/21/07          Also see spills section regarding concrete washouts here. 12/21/07</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. 12/5-12/21/07</p> <p>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. 12/21/07</p> <p>Temporarily stabilize areas of exposed, inactive soils in a way that is sufficient for winter months. Attend to this within timelines approved by the D&amp;M. 12/21/07          From past experience</p>	<p>Needs attention.</p> <p>Silt fence and haybales installed to protect inlet. Sediment needs additional attention.</p> <p>Contractor will restore swale when work activities are complete.  <i>(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</i></p> <p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk Norwalk lay-down yard	<p>rutting was observed in this area but tracking was not an issue at this time. 12/21/07</p> <p>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. 12/21/07</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. 12/21/07</p>	<p>with Bethel-Norwalk, this area has a high potential for erosion. 12/5-12/21/07</p> <p>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. 12/21/07</p> <p>Continue to monitor to ensure run-off is fully contained. 12/21/07</p>	<p>Continue to monitor.</p> <p>NA</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>The Norwalk storage yard is bound on the westerly side by the Norwalk River. The existing concrete dock provides good containment. 12/21/07</p> <p>It appears a resource area is located downgradient from the work near sta#16-18. Controls were not intact here. Concrete washouts had also occurred upgradient. 12/21/07</p>	<p>See erosion control section. 12/21/07</p> <p>See erosion control section and spills section. Provide controls here. 12/21/07</p>	<p>NA</p> <p>Needs attention</p>
Staging, Storage, and Parking Areas	<p>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. 12/21/07</p>	<p>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. 12/21/07</p>	<p>Needs attention if working within exposed area</p>
Soils	<p>Soil is exposed during trenching, vault and utility installation during active work. 12/21/07</p>	<p>Soils appear to be handled appropriately. Ensure any material stockpiles are contained.</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		12/21/07	
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 active again and trees are marked for clearing here. Active work continues along the Rt. 7 off-ramp but some areas of backfilled/exposed soils remain (since 11/28). 12/21/07	Stabilize within D&M approved timelines whenever work is complete in an area. Active work has returned to previously exposed sections. See erosion control section as well. 12/21/07	Needs attention within timelines.
Dewatering	Dewatering activities were not observed at this time. 12/21/07	Continue to appropriately contain and/or filter discharge water. 12/21/07	NA
Blasting	No blasting has been proposed. 12/21/07	None. 12/21/07	NA
Spills and Material Storage	Spill cleanup materials/kits should be brought from site to site with equipment. 12/21/07	Ensure that spill kits are present with each vehicle during active construction. 12/21/07	NA
	Some lumber materials were noted, stored on the slope at sta.# 16-18. 12/12-12/21/07 An uncontained concrete washout had occurred at the slope here. Controls were not in place and what appears to be a resource area is located downgradient. 12/21/07	Remove materials as construction progresses away from the area. Stabilize exposed soils. 12/21/07 Remove the concrete material, install controls and ensure future washouts are contained in an appropriate location. 12/21/07	Needs attention
	Two additional concrete washouts occurred in the vicinity of vault #1. Material had run-off down the slope to the silt fence at sta. #15. 12/21/07	Remove the concrete material and ensure future washouts are contained in an appropriate location. 12/21/07	Needs attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None. 12/21/07	None. 12/21/07	NA

Next likely scheduled inspection: Monday, December 31, 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, BSC Group

Reviewer: Diana Walden, BSC Group



A concrete washout was noted on the slope near the work at sta. #16-18. Haybales have not been reset and there are no controls between the work and what appears to be a resource area down-gradient. Trees were marked for removal in this area.



Materials were still being stored along the slope near sta#18. Haybales have not been reestablished along the slope. Controls are needed here.



View of the slope near sta #15 and vault #1 The silt fence here was still overtopped with stone and needs repair. A concrete washout was also observed along the slope with run-off to the silt fence. A second washout was noted near the roadway shoulder. The material needs to be removed and future washouts need containment.



Trenching continues in the area of sta # 5-7 near the Rt. 7 off-ramp. Portions have been backfilled. The contractor stated that they would reestablish the pre-construction drainage swale once work is complete in this area.