

**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 11, 2008

**Inspector:** Margaret Washburn

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

**Rain Event:** 0.14” of precipitation was reported since the previous inspection, with 0.09” of the total recorded on 1/1. Rain was observed the day of inspection. (Bridgeport, CT NOAA data)

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<b>All work is within existing paved roadways and parking lots at this time. 1/11/08</b>	<b>None: 1/11/08</b>	<b>NA (Not applicable)</b>
<b>Vault Openings and Trench Construction Norwalk</b>	<b>Trenching continues near sta. #5-7 along the shoulder of the roadway. 1/11/08</b>	<b>None. See erosion control section. 1/11/08</b>	<b>NA</b>
<b>Erosion and Sediment Controls</b>	<p><b>Controls had to be removed from catch basins on state routes per request of ConnDOT to improve drainage during winter conditions. 1/11/08</b></p> <p><b>At sta. #15-16, concrete slurry has been removed, sediment has been cleaned from the edge of the curbing in the roadway (New Canaan Ave.), the stone previously overtopping the silt fence (since 12/5) has been removed, and the silt fence was</b></p>	<p><b>Since controls are not allowed in the catch basins on this roadway, attend to all sediment at the source and stabilize exposed soils as quickly as possible. 1/11/08</b></p> <p><b>Monitor and maintain silt fence. Use caution during future work to minimize unnecessary impacts to the surrounding areas. 1/11/08</b></p>	<p><b>Needs regular attention.</b></p> <p><b>Silt fence was repaired, stone was contained, and roadway was swept.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>repaired. 1/11/08</p> <p>Haybales previously placed along the down gradient side of the slope near sta. #18 have been moved, no longer forming a continuous barrier (since 12/5/07). Soils remain exposed (since 11/21/07). Lumber materials and a trench box that were previously piled here have been removed. 1/11/08</p> <p>A drainage inlet near sta. #9+50 remains protected with silt fence and hay bales. Accumulated sediment remains in the inlet. 12/5-1/11/08 Hay bales are also beginning to deteriorate. 1/11/08</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. 11/28/07-1/11/08</p> <p>Backfilled soil remains exposed between sta. #6-10 along the shoulder of the Rt. 7 off-ramp since 11/28/07. Active work was occurring between sta. #5-7. Silt fence and a hay berm were installed at sta. #6 on 12/12/07. At sta. #8, erosion is causing soil to wash under the fence into the substation. 1/11/08</p>	<p>Reset haybales along the base of the slope and stake bales in place. Controls are needed as there is no barrier between work and what appears to be a resource area down gradient. 12/21-1/11/08</p> <p>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. 12/5-1/11/08</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. 1/11/08</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. 12/21-1/11/08          From past experience with Bethel-Norwalk, this area has a high potential for erosion. 12/5-1/11/08</p>	<p>Lumber was removed, Needs additional attention.</p> <p>Needs additional attention to remove accumulated sediment and refresh hay bales.</p> <p>Continue to monitor. (See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</p> <p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Norwalk            Norwalk lay-down            yard</b></p>	<p><b>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. 1/11/08</b></p> <p><b>A small asphalt berm remains at the one tank located on the concrete slab in order to direct run-off towards the concrete pit. 1/11/08</b></p>	<p><b>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. 1/11/08</b></p> <p><b>Continue to monitor to ensure run-off is fully contained. 1/11/08</b></p>	<p><b>Continue to monitor.</b></p> <p>NA</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The Norwalk storage yard is bound on the westerly side by the Norwalk River. The existing concrete dock provides good containment. 1/11/08</b></p> <p><b>It appears a resource area is located downgradient from the work near sta#17-18. Controls were not intact here. Concrete washouts had also occurred upgradient. 12/31-1/11/08</b></p>	<p><b>See erosion control section. 1/11/08</b></p> <p><b>See erosion control section and spills section. Provide controls here. 1/11/08</b></p>	<p>NA</p> <p><b>Needs attention</b></p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p><b>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. 1/11/08</b></p>	<p><b>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. 1/11/08</b></p>	<p><b>Needs attention if working within exposed area</b></p>
<p><b>Soils</b></p>	<p><b>Soil is exposed during trenching vault and utility installation during active work. 1/11/08</b></p> <p><b>Active work continues along the Rt. 7 off-ramp but some areas of</b></p>	<p><b>Soils appear to be handled appropriately. Ensure any material stockpiles are contained. 1/11/08</b></p> <p><b>Stabilize areas of exposed soils. When work is complete. Temporary</b></p>	<p>NA</p> <p><b>Needs attention.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<b>backfilled/exposed soils remain from 11/28/07-1/11/08.</b>	<b>stabilize any areas where exposed soils are expected to remain inactive for more than 21 days. 1/11/08</b>	
<b>State species of concern, threatened and endangered species.</b>	<b>According to the D&amp;M plan, state-listed species are not located in this work area.</b>	<b>None</b>	<b>NA</b>
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<b>The slope along sta. #15-16 has been cleared. Exposed soils are present from #15-18. Additional trees have been marked for clearing near sta. #16-18. 1/11/08</b>	<b>Stabilize within D&amp;M approved timelines whenever work is complete in an area. 1/11/08</b>	<b>Needs attention within timelines.</b>
<b>Dewatering</b>	<b>Dewatering activities were not observed at this time. 1/11/08</b>	<b>Continue to appropriately contain and/or filter discharge water. 1/11/08</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting has been proposed. 1/11/08</b>	<b>None. 1/11/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<p><b>Spill cleanup materials/kits should be brought from site to site with equipment. 1/11/08</b></p> <p><b>The lumber materials previously stored on the slope at sta.# 16-18. have been removed. 1/11/08</b></p> <p><b>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 down-gradient. 12/21-1/11/08</b></p> <p><b>Concrete slurry materials (observed since 12/21) have been removed from the slope in the vicinity of vault #1. 1/11/08</b></p>	<p><b>Ensure that spill kits are present with each vehicle during active construction. 1/11/08</b></p> <p><b>Stabilize exposed soils. Remove the concrete material, install controls and ensure future washouts are contained in an appropriate location. 12/21-1/11/08</b></p> <p><b>ensure future washouts are contained in an appropriate location. 1/11/08</b></p>	<p><b>NA</b></p> <p><b>Lumber materials were removed.</b></p> <p><b>Concrete material needs attention.</b></p> <p><b>Concrete materials were removed.</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Additional Observations</b>	<b>None. 1/11/08</b>	<b>None. 1/11/08</b>	<b>NA</b>

**Next likely scheduled inspection:** Friday, January 18, 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:** Margaret Washburn, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Silt fence was repaired appropriately at station #15-16. Exposed soil should be temporarily stabilized for the winter.**



**Haybales down gradient of the slope at station #18 have been moved, no longer forming a continuous barrier. Haybales need to be reset and staked to form a continuous barrier. Exposed soil should be temporarily stabilized for the winter.**