

**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.**

**Norwalk Substation**

**Date:** May 1, 2008

**Inspector:** Gregory Sommer

**Location:** Norwalk Substation - 50 New Canaan Avenue, Norwalk, CT

**Rain Event:** 1.89” of precipitation was reported since the previous inspection, with 1.62” of the total recorded on 4/28 (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>A paved driveway is located off of New Canaan Avenue (Route 123) and provides access to the substation and work area. The Route 7 exit ramp may also be used to temporarily access the site. Trap rock is in place on the surface of the substation yard. A construction entrance is not in place, but currently traffic into and out of the site appears minimal and tracking was not an issue. 5/1/08</b>	<b>Install a temporary construction entrance as indicated on the D&amp;M plan to reduce sediment tracking during construction or evaluate whether trap rock is sufficient. 4/24-5/1/08</b>	<b>Needs attention: No tracking issues noted but D&amp;M plan indicates a construction entrance would be installed.</b>
<b>Active Construction</b>	<b>Earthwork and trenching continue within the Norwalk substation. Foundations have already been installed to accommodate the new 345-kV equipment. 5/1/08</b>	<b>None. 5/1/08</b>	<b>Not Applicable (NA)</b>
	<b>The perimeter chain link fence has been re-located and the concrete retaining wall was temporarily removed to</b>	<b>None. 5/1/08</b>	<b>NA</b>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	accommodate the work. Activities on Segment 4c sta #0-4 are tying-in here. 5/1/08		
<b>Erosion and Sediment Controls</b>	Geotextile Silt fence has not yet been installed around the work zone, however trap rock remains on the surface of the substation is trap rock and there does not appear to be a high potential for erosion or adjacent resource areas. Also see the Seg 4C report regarding the exposed soil. 5/1/08	Install geotextile silt fence around the perimeter of the work zone as indicated on the D&M Plan. Continue to monitor the area for potential erosion/ sedimentation. 5/1/08	Needs attention: No sediment issues noted but D&M plan indicates silt fence (or haybales) would be installed prior to earth disturbance.
<b>Inland Wetland and Watercourse Encroachment and Mitigation</b>	The project site is located within the existing Norwalk Substation. There is no anticipated impact to the Norwalk River. 5/1/08	Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 5/1/08	NA
<b>Staging, Storage, and Parking Areas</b>	Vacant space within the substation yard is being used as the staging area for materials, equipment, parking, and portable sanitary facilities. 5/1/08	In general, avoid placing sanitary facilities or storing equipment within 100 feet to the Norwalk River or within the stream channel encroachment line. 5/1/08	NA
<b>Soils</b>	The undisturbed portion of the substation yard surface is presently covered with trap rock. Soil becomes exposed/disturbed during foundation installation. Tie-in work for Seg 4C is also contributing. 5/1/08	In general, continue to phase soil exposure until active work requires. 5/1/08	NA
<b>State species of concern, threatened and endangered species.</b>	According to the D&M plan, state-listed species are not located in this work area. 5/1/08	None. 5/1/08	NA
<b>Vegetative clearing (including trees to save</b>	All work is within the limits of the substation	None. See Segment 4C report for more	NA

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>or danger trees noted) or stabilization</b>	<b>and there is no vegetation within said limits. Some clearing of landscaped materials was required for Seg 4C tie-in work. 5/1/08</b>	<b>information. 5/1/08</b>	
<b>Dewatering</b>	<b>Dewatering was not observed at the time of the inspection. 5/1/08</b>	<b>Continue to properly contain/ filter discharge water when dewatering is required. 5/1/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Materials and equipment appear to be appropriately stored. 5/1/08</b>  <b>A stockpile of material was observed without appropriate containment, but the material was actively being used and was within the yard of the substation. 5/1/08</b>	<b>In general, provide regular equipment checks and repair any drips or leaks as soon as they are observed. 5/1/08</b>  <b>Provide adequate containment around temporary soil stockpiles. 5/1/08</b>	<b>NA</b>  <b>NA at this time.</b>
<b>Additional Observations</b>	<b>None. 5/1/08</b>	<b>None. 5/1/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Thursday May 8, 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



**Trenching and earthwork continue within the Norwalk substation to accommodate the new 345-kV equipment. Foundations have already been installed. The photo on the right shows a soil stockpile that was observed without adequate containment. However, the pile appeared to be actively used.**



**Foundations have been installed to accommodate the new 345-kV equipment within Norwalk substation. The chain link perimeter fence has been relocated to accommodate this work. The modular concrete retaining wall has been temporarily removed to accommodate trenching and tie-in activities.**