

**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:** August 21, 2008

**Inspector:** Lennox Keen

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

**Rain Event:** 0.33" of precipitation was reported since the previous inspection, with the largest event of 0.33" recorded on 8/20 (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. Minor sediment/ cold mix accumulation was noted along the roadway at various locations through this segment. 8/1-8/21/08</b>	<b>Sweep roadways on a regular basis. 8/21/08</b>	<b>Needs regular attention</b>
<b>Vault Openings and Trench Construction Norwalk</b>	<b>Temporary restoration or steel road plates were observed near sta. #32-38. 8/21/08</b>	<b>Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/21/08</b>	<b>NA (Not applicable)</b>
<b>Erosion and Sediment Controls</b>	<b>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. 8/21/08</b>	<b>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. 8/21/08</b>	<b>Needs regular attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>Sediment and debris continues to accumulate along the silt fence near sta. #14-16 (since 5/1). Gullies have formed in several areas and portions of the slope are beginning to erode. 6/12-8/21/08</b></p> <p><b>Work is complete in the area between sta. #15-18. Silt fence and hay bale barrier remains along the graded slope but portions of the silt fence need repair. 5/8-8/21/08</b></p> <p><b>The inlet at sta. #9+50 was associated with a pre-construction drainage swale. Trench work has modified the grades in the area (removing the swale). A portion of the swale has been temporarily re-established between sta. #4+50 to 6+50 and lined with crushed stone. 8/21/08</b></p> <p><b>A stone check dam remains near sta. #8 to direct runoff away from the entrance gate. Crushed stone remains over some areas of the exposed soil between sta. #6-10 along the shoulder of the Rt. 7 off-ramp. Graded processed material remains in other areas. Tracking was not an issue. 8/21/08</b></p> <p><b>Trenching continues in various locations between sta. #32-38. Steel plates were covering the trench at the time of the inspection. A minor amount of cold mix/</b></p>	<p><b>Continue to remove the debris and stabilize the area. Install additional control measures as necessary and permanently stabilize the area when feasible. 6/12-8/21/08</b></p> <p><b>Monitor and maintain silt fence, install additional erosion control measures as necessary. Portions of the silt fence need repair. 5/8-8/21/08 The area also needs to be stabilized per D&amp;M guidelines. 8/14-8/21/08</b></p> <p><b>Contractors 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. From past observations during the Bethel- Norwalk project, this inlet receives high velocity run-off. 8/21/08</b></p> <p><b>Discuss options with CL&amp;P on how to address the material that has previously eroded into the substation. 8/21/08</b></p> <p><b>Sweep roadway as necessary. Protect catch basin during trenching operations. Clean catch basin when work is complete. 6/27-8/21/08</b></p>	<p><b>Needs attention.</b></p> <p><b>Needs attention.</b></p> <p><b>Continue to monitor. (See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</b></p> <p><b>Discuss options with CL&amp;P on clean-up efforts within substation.</b></p> <p><b>Needs attention.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Norwalk            Norwalk lay-down            yard</b></p>	<p><b>granular material was observed along the edge of the roadway. 8/14-8/21/08</b></p> <p><b>The yard is lined with perimeter erosion controls (silt fence and haybales). An existing concrete dock protects the area adjacent to the Norwalk River. 8/21/08</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. 8/21/08</b></p>	<p><b>The existing concrete slab/dock provides a good barrier. Install controls in locations that runoff may flow from the yard to the river if materials will be stored in the yard. 8/21/08</b></p> <p><b>Continue to monitor to ensure run-off is fully contained. 8/21/08</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. 8/21/08</b></p> <p><b>A resource area appears to be located down gradient from the work near sta#15-18. 8/21/08</b></p>	<p><b>See Erosion &amp; Sediment Controls section for more details. 8/21/08</b></p> <p><b>See Erosion &amp; Sediment Controls section for more details. 8/21/08</b></p>	<p>NA</p> <p>NA</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. 8/21/08</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. 8/21/08</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. A large amount of soil is exposed near sta#0-4. The previously stockpiled material here was being regraded to backfill the concrete retaining wall..</b></p>	<p><b>Soils appear to be handled appropriately. Stabilize areas of exposed soils where re-grading and backfilling has been performed. 8/21/08</b></p>	<p><b>Stockpiles were being utilized, Exposed areas need attention.</b></p>

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	<p><b>8/21/08</b></p> <p><b>Crushed stone has been spread over some areas of exposed soils along the Rt. 7 off-ramp. Processed material remains in other areas. This area remains inactive. 8/21/08</b></p>	<p><b>Stabilize areas of exposed soils when work is complete. Temporarily stabilize any areas where exposed soils are expected to remain inactive for more than 21 days. 8/21/08</b></p>	<p><b>Inactive areas need stabilization within timelines.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in this work area. 8/21/08</b></p>	<p><b>None. 8/21/08</b></p>	<p><b>NA</b></p>
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p><b>Multiple trees have been cleared between sta. #15-18. 8/21/08</b></p> <p><b>The area near the Norwalk substation perimeter (sta. #0-4) has been backfilled around the retaining wall but large areas of soil are still exposed. 8/21/08</b></p>	<p><b>When work is completed, restore the area as indicated in the D&amp;M plan. 8/21/08</b></p> <p><b>Restoration will be needed here to replace landscaping 6/6-8/21/08</b></p>	<p><b>NA</b></p> <p><b>Needs temporary restoration per timelines. The retaining wall has been re-set.</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering activities were not observed during this week's inspection. 8/21/08</b></p>	<p><b>Continue to appropriately contain and/or filter discharge water. 8/21/08</b></p>	<p><b>NA</b></p>
<p><b>Spills and Material Storage</b></p>	<p><b>Spill cleanup materials/kits should be brought from site to site with equipment. 8/21/08</b></p> <p><b>Evidence of multiple concrete washouts remain along the slope near sta. #14-16. There is no active work in this area and the washouts are likely not project related. 8/21/08</b></p>	<p><b>Ensure that spill kits are present with each vehicle during active construction. 8/21/08</b></p> <p><b>Properly clean and dispose of washout material. Restrict access to the area or restore to discourage additional washouts from occurring. 6/27-8/21/08</b></p>	<p><b>NA</b></p> <p><b>Washouts were not project related but need proactive attention. Area needs restoration.</b></p>
<p><b>Additional Observations</b></p>	<p><b>Pre-cast concrete retaining wall has been restored outside of the Norwalk substation near sta. #0. 8/21/08</b></p>	<p><b>None. 8/21/08</b></p>	<p><b>NA</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>Portions of Main Street and Grand Street near sta. #18-22 have been milled in preparation for paving 8/21/08</b>	<b>None. 8/21/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Friday, August 29, 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



**Pre-cast concrete retaining wall has been restored outside of the Norwalk substation near sta. #0.**



**Pavement has been milled near sta. #19-21 and is ready to be paved.**



**Trenching continues in various locations between sta. #31-34 & #38. Steel plates were covering the trench at the time of the inspection. A minor amount of cold mix/ granular material was observed along the edge of the roadway. Electrical contractor was on site at vault # 3.**

