

**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 4a Underground Line**

**Date:** February 7, 2007

**Inspector:** Katie Bednaz

**Location:** Singer Substation to Fairfield/Westport Town Line

**Rain Event:** 0.28" of precipitation was recorded since the previous inspection (as reported by NOAA in Bridgeport, CT)

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<p>All work is within or adjacent to existing paved roadways at this time.</p> <p>Ruts/ tracks were still observed along the shoulder of Railroad Ave. and sediment is being tracked into the roadway by vehicle traffic. (external to the project). Flow fill from the trench cover materials is being unearthed by the traffic in one location. 1/31-2/7/07</p>	<p>See erosion control section.</p> <p>NU will be applying graded crushed stone along the shoulder of Railroad Ave as cover where new trenching occurs. Past work areas will also be attended to when feasible. The soft topsoil will have to be removed prior to placing stone in these spots. 2/7/07</p>	<p>Not Applicable (NA)</p> <p>Stone will be used instead of loam in these locations. The new solution was approved by the city.</p>
<b>Vault Openings and Trench Construction Bridgeport</b>	<p>Trenching activities continue: near the intersection of Railroad Ave. and Bostwick Ave.; at the intersection of Railroad Ave. and Howard Ave.; on Broad Street; and in the portion of land between Broad St. and Main Ave. 2/7/07</p> <p>The portion of trench crossing Main St. leading from Singer Substation appears complete. 2/7/07</p>	<p>Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 2/7/07</p> <p>None at this time. 2/7/07</p>	<p>Catch basins are protected.(Proactively)</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>Trenching activities continue on Rt. 1 near its intersection with Pequot Ave. A portion of the trench has been backfilled, loamed, and hydro-seeded. 2/7/07</p> <p>Trenching activities have commenced east of Vault #28. 2/7/07</p>	<p>See erosion and sediment control section. 2/7/07</p> <p>See erosion and sediment control and clearing sections. 2/7/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls            All active areas</p> <p>Bridgeport</p>	<p>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 2/7/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were observed this week in the Kings Highway lay-down yard. 2/7/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. 2/7/07</p> <p>The small accumulation of sediment noted near the filtering equipment in the parking area at the intersection of Railroad and Howard Aves has been removed and disposed of 2/7/07</p> <p>The small piles of PVC shavings (fine, plastic pieces) noted 2/1 on the edge of the roadway near the Broad St. trenching activities were not</p>	<p>Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 2/7/07</p> <p>Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 14-21 days, they should be stabilized. 2/7/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, and protect nearby catch basins during cutting activities. 2/7/07</p> <p>None at this time. 2/7/07</p> <p>Excess shavings should continue to be contained in the future and disposed of properly as the shavings have the potential to migrate into</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted.</p> <p>NA</p> <p>Accumulated sediment has been removed and properly disposed of.</p> <p>No PVC shavings were noted at the time of inspection.</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
	2/7/07		
<b>Staging, Storage, and Parking Areas</b>	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 2/7/07</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located in the equipment trailers. 2/7/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 2/7/07</p> <p>See erosion control section. 2/7/07</p>	<p>NA</p> <p>NA</p>
<b>Soils</b>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 2/7/07</p> <p>Soils in an area of trenching at Railroad Ave and Howard Ave had high lead content and were being removed. 2/7/07</p> <p>A small stockpile off Rt. 1 Pequot Ave is contained and stable. 2/7/07</p>	<p>Most areas are temporarily stabilized. 2/7/07</p> <p>Soils appear to be handled appropriately. 2/7/07</p> <p>See erosion control section. 2/7/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<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.	None	NA
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p>Tire ruts remain in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 2/7/07</p> <p>Work appears temporarily complete at Vault #36. 2/7/06</p>	<p>NU has determined the shoulder will be restored with dense graded crushed stone for stability. Loam would have to be removed prior to placing the material here. 2/7/07</p> <p>Stabilize/restore area when appropriate. 11/01-2/7/07</p>	<p>NA</p> <p>Needs attention when work is complete.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>A 24" maple and 36" beech tree was removed last week near station #473 in accordance with the D&amp;M Plan. (The D&amp;M Plan labels the 36" tree as an Elm.) 2/7/07</b>	<b>Restore area as required by the D&amp;M Plan when feasible. 2/7/07</b>	<b>Needs attention when active work is complete.</b>
<b>Dewatering</b>	<b>Dewatering activities were not observed during this week's inspection. 2/7/07</b>  <b>The sediment accumulation near the filtering equipment in the parking area off Railroad Ave as been removed 2/7/07</b>	<b>Continue to appropriately contain or filter water prior to release. 2/7/07</b>  <b>See erosion control section. 2/7/07</b>	<b>NA</b>  <b>Sediment has been removed and properly disposed of.</b>
<b>Blasting</b>	<b>No blasting has been proposed. 2/7/07</b>	<b>None 2/7/07</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits were observed in the storage yard. 2/7/07</b>	<b>Ensure that spill kits are also present with each vehicle during active construction 2/7/07</b>	<b>NA</b>
<b>Additional Observations</b>	<b>None 2/7/07</b>	<b>None 2/7/07</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday February 15, 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:** Katie Bednaz, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Trenching activities adjacent to Vault #28. Catch basins located downgradient of trenching activities remain unprotected.**



**Construction area along Pequot Ave. Soil pile remains stable. It is recommended that compromised erosion controls be re-established.**



**The small stockpiles indicated are the remnants of the concrete washout area within the Kings Highway lay-down yard.**



**Airborne dust was noted in the Kings Highway lay down yard at the time of our inspection. Attempt to water down soils or provide other dust control.**





**Trenching activities at the intersection of Howard Ave. and Railroad Ave. Soils being removed were high in lead content and appeared to be handled appropriately.**



**Photo of a completed section of trench on Railroad Ave. near near its intersection with Myrtle Ave.**



**Trenching activities along Broad St., all catch basins have appropriate controls in place.**



**Trenching activities across Main St. to the Singer substation yard appear to have been completed.**