

**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 16, 2007

**Inspector:** Katie Bednaz

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

**Rain Event:** Total of 0.35” of precipitation was recorded on 2/14 with additional traces since the previous inspection in 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>	<p>All work is within or adjacent to existing paved roadways at this time. 2/16/07</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. 1/31-2/16/07</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. 2/16/07</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., at the intersection of Railroad Ave. and Myrtle Ave.; on Broad Street; and in the portion of land between Broad St. and Main Ave. 2/16/07</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. 2/16/07</p>	<p>Catch basins are protected.(Proactively)</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Fairfield</b>	<p><b>Trenching activities continue on Rt. 1 near its intersection with Pequot Ave. A portion of the trench was being backfilled. 2/16/07</b></p> <p><b>Trenching activities continue east of Vault #28. 2/16/07</b></p>	<p><b>See erosion and sediment control section. 2/16/07</b></p> <p><b>See erosion and sediment control and clearing sections. 2/16/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Erosion and Sediment Controls</b>  <b>All active areas</b></p> <p><b>Fairfield</b></p>	<p><b>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 2/16/07</b></p> <p><b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were not observed this week. 2/16/07</b></p> <p><b>Slurry from saw cutting activities has the potential to enter catch basins. 2/16/07</b></p> <p><b>Work at vault #41 is largely complete. Silt fence is installed around any remaining exposed soils. 2/16/07</b></p> <p><b>The portion of silt fence that was in disrepair along trenching activities near Pequot Ave. has been maintained. 2/16/07</b></p> <p><b>A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 2/16/07</b></p>	<p><b>Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 2/16/07</b></p> <p><b>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. 2/16/07</b></p> <p><b>Prevent slurry from entering catch basins and sensitive areas, and protect nearby catch basins during cutting activities. 2/16/07</b></p> <p><b>Continue to stabilize soil as feasible but the area is contained. 2/16/07</b></p> <p><b>Continue to monitor and contain disturbed soils resulting from the construction. 2/16/07</b></p> <p><b>Continue to monitor and maintain any controls in disrepair. 2/16/07</b></p>	<p><b>Catch basins were protected.(Proactively)</b></p> <p><b>Needs regular attention.</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>Silt fence has been repaired.</b></p> <p><b>NA at this time</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</b></p>	<p><b>Catch basins adjacent to trenching activities east of Vault #28 now have controls in place. 2/16/07</b></p> <p><b>The majority of the concrete wash-out basin materials have been removed from the site. One small pile of sediment remains. 2/1-2/16/07</b></p> <p><b>Airborne dust migration was not noted within the Kings Highway lay-down yard at the time of inspection. 2/16/07</b></p>	<p><b>Continue to place silt sacks or filter fabric in catch basins for control/filtration. 2/16/07</b></p> <p><b>Continue removing any materials that are no longer necessary in this area. Contractor states that washout containment will not be necessary at this time. 2/1-2/16/07</b></p> <p><b>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 2/7/07</b></p>	<p><b>Catch basins have controls in place.</b></p> <p><b>Needs attention when feasible.</b></p> <p><b>Needs regular attention.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 2/16/07</b></p>	<p><b>See erosion control section. 2/16/07</b></p>	<p><b>NA</b></p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p><b>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 2/16/07</b></p> <p><b>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. 2/16/07</b></p>	<p><b>Ensure that spill kits are also present with each vehicle during active construction 2/16/07</b></p> <p><b>See erosion control section. 2/16/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Soils</b></p>	<p><b>Soils are exposed as part of the excavation for trench, vault, and utility work. 2/16/07</b></p> <p><b>Soils in an area of</b></p>	<p><b>Most areas are temporarily stabilized. 2/16/07</b></p> <p><b>Dispose of these soils</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>trenching at Railroad Ave and Howard Ave had elevated levels of lead were being stored in dumpsters on the side of the roadway for future disposal. 2/16/07</p> <p>A small stockpile off Rt. 1 Pequot Ave is contained and stable. 2/16/07</p>	<p>appropriately as soon as feasible. 2/16/07</p> <p>See erosion control section. 2/16/07</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area.</p>	<p>None</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Tire ruts remain in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 2/16/07</p> <p>Work appears temporarily complete at Vault #36. 2/16/06</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. 2/16/07</p> <p>Stabilize/restore area when appropriate. 11/01-2/16/07</p>	<p>NA</p> <p>Needs attention when work is complete.</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed during this week's inspection. 2/16/07</p>	<p>Continue to appropriately contain or filter water prior to release. 2/16/07</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 2/7/07</p>	<p>None 2/7/07</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yards. 2/16/07</p> <p>A sani-can had been blown on its side by wind gusts. Contents were leaking into an adjacent catch basin identified as part of the combined sewer and stormwater system. 2/16/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 2/16/07</p> <p>Sani-can was to be placed upright and remaining contents were to be cleaned up. Ensure that all similar facilities are placed in appropriate locations, sheltered from wind gusts. 2/16/07</p>	<p>NA</p> <p>Contractor called party responsible for clean-up during inspection. Continue to address the situation.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Additional Observations</b>	<b>None 2/16/07</b>	<b>None 2/16/07</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday February 22, 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



**Catch basins downgradient of Vault #28 trenching activities have been adequately protected.**



**The trench east of Vault #28 was being backfilled at the time of inspection.**



**Photo of Railroad Ave. taken from its intersection with Howard Howard Ave. A number of dumpsters containing soils with elevated levels of lead are being stored on the shoulder of the until they can be disposed of.**



**A sani-can located on Railroad Ave. near its intersection with Myrtle Ave was blown over by the wind. Contents are leaking into catch basins designed to receive combined stormwater overflow. The contractor contacted the responsible party for clean-up during the inspection.**