

**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:** January 23, 2007

**Inspector:** Katie Bednaz

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

**Rain Event:** 0.13” 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). It appears that flow fill may have been placed here but soil disturbance was still an issue. 1/23/07</p>	<p>See erosion control section.</p> <p>NU is evaluating this and is looking into removing the loam and replacing gravel here for stability. The soft topsoil will have to be removed prior to placing stone. 1/23/07</p>	<p>Not Applicable (NA)</p> <p>Issue is being evaluated.</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.; and in the portion of land between Broad St. and Main Ave. 1/23/07</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. 1/23/07</p>	<p>Catch basins are protected.(Proactively)</p>
<b>Fairfield</b>	<p>Trenching activities continue on Rt. 1 near its intersection with Pequot</p>	<p>See erosion and sediment control section. 1/23/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>Ave. A portion of the trench has been backfilled, loamed, and hydro-seeded. 1/23/06</b></p>		
<p><b>Erosion and Sediment Controls Fairfield/Bridgeport</b></p>	<p><b>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 1/23/07</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. 1/23/07</b></p> <p><b>Slurry from saw cutting activities has the potential to enter catch basins. 1/23/07</b></p> <p><b>Although attempts have been made to sweep the area, a small accumulation of sediment remains adjacent to the filtering equipment within the parking area at the intersection of Railroad and Howard Aves. 1/23/06</b></p> <p><b>Work at vault #41 is largely complete. Silt fence is installed around any remaining exposed soils. 1/23/07</b></p> <p><b>Silt fence is in place along trenching activities near Pequot Ave. Additional workspace had been necessary beyond the controls. 1/23/07</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. 1/23/07</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. 1/23/07</b></p> <p><b>Prevent slurry from entering catch basins and sensitive areas, and protect nearby catch basins during cutting activities. 1/23/07</b></p> <p><b>Continue to sweep up and properly dispose of any accumulated sediment to prevent tracking or run-off. 1/16-1/23/07</b></p> <p><b>Continue to stabilize soil as feasible but the area is contained. 1/23/07</b></p> <p><b>Continue to monitor and contain disturbed soils resulting from the construction. Maintain/re-establish controls as needed. 1/23/07</b></p>	<p><b>Catch basins were protected.(Proactively)</b></p> <p><b>Needs regular attention but good efforts were noted.</b></p> <p><b>NA</b></p> <p><b>Attempts have been made to remove sediment but still needs attention.</b></p> <p><b>NA</b></p> <p><b>Needs regular attention.</b></p>
<p><b>Bridgeport</b></p>			
<p><b>Fairfield</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>A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 1/23/07</p> <p>A portion of the trench along Pequot Ave. has been backfilled, loamed, and hydro-mulched. 1/23/07</p> <p>Concrete wash-out had not been fully contained within the basin over the past few weeks. This week, efforts were noted to remove the basin materials. 1/23/07</p> <p>The perimeter silt fence adjacent to the sensitive area has been repaired. 1/23/07</p>	<p>Continue to monitor and maintain any controls in disrepair. 1/23/07</p> <p>Continue to stabilize any exposed soils as soon as feasible. 1/23/07</p> <p>Continue removing basin if it is no longer necessary in this area. Otherwise provide adequate containment. 1/23/07</p> <p>Ensure that run-off does not leave site through the overlap/ small gap between the repaired sections. 1/23/07</p>	<p>NA at this time</p> <p>A portion of the exposed soil area has been temporarily stabilized.</p> <p>Efforts were noted to remove the basin materials. Needs further attention.</p> <p>Silt fence was repaired. Continue to evaluate.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 1/23/07</p>	<p>See erosion control section. 1/23/07</p>	<p>NA</p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 1/23/07</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. 1/23/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 1/23/07</p> <p>See erosion control section. 1/23/07</p>	<p>NA</p> <p>NA</p>
<p><b>Soils</b></p>	<p>Soils are exposed as part of the excavation for</p>	<p>Most areas are temporarily stabilized.</p>	<p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<p>trench, vault, and utility work. 1/23/07</p> <p>A small stockpile off Rt. 1 Pequot Ave is contained and stable. 1/23/07</p>	<p>1/23/07</p> <p>See erosion control section. 1/23/07</p>	NA
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Although it appears flow fill was added to the regraded, exposed loam in this area, tire ruts remain in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 1/23/07</p> <p>Work appears temporarily complete at Vault #36. 1/23/06</p> <p>Trenching activities at Howard and Railroad Ave was generating exposed soil. However, soil remains contained to the construction area. 1/23/06</p>	<p>NU is evaluating this and is looking into solutions. Loam would have to be removed prior to placing gravel here for stability 1/23/07</p> <p>Stabilize/restore area when appropriate. 11/01-1/23/07</p> <p>Stabilize/restore area when appropriate. 11/01-1/23/07</p>	<p>NA</p> <p>Needs attention when work is complete.</p> <p>Needs attention when work is complete.</p>
Dewatering	Dewatering activities were not observed during this week's inspection but some sediment accumulation remains near the filtering equipment in the parking area off Railroad Ave 1/23/07	See erosion control section. 1/23/07	NA
Blasting	No blasting has been proposed. 1/23/07	None 1/23/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard. 1/23/07</p> <p>The small oil/fluid spill</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 1/23/07</p> <p>Continue to keep</p>	<p>NA</p> <p>Spill has been cleaned.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<b>noted on the pavement next to the generator at the intersection of Railroad and Howard Aves. Last week has been cleaned. 1/23/07</b>	<b>equipment maintained. 1/23/07</b>	
<b>Additional Observations</b>	<b>None 1/23/07</b>	<b>None 1/23/07</b>	<b>NA</b>

**Next likely scheduled inspection:**                     **Tuesday January 30, 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*



**Exposed soils from trenching activities along Pequot Ave. have been hydro-mulched. A portion of the trench remains active in this area.**



**Rutting/tracking continues along the shoulder of Railroad Ave. as a result of non-project related vehicles. It appears that flow-fill was mixed in with the soil. Solutions are being investigated here.**



**Both photos of trenching activities at the intersection of Railroad Ave and Howard Ave. On the left: Photo shows accumulated sediment from the filtering equipment. It appears that attempts were made to sweep the sediment, but additional attention is needed.**



**Photo of crew patching trench with asphalt along Railroad Ave. near the intersection with Myrtle Ave.**



**Both photos show the King's Highway lay-down yard. Left: Attempts have been made to repair silt fence; ensure that run-off will not escape at the gaps between sections. Right: Photo of material being removed from yard at the concrete washout basin.**