

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 16, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.41” of precipitation was recorded since the previous inspection (as reported by NOAA in Bridgeport, CT)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<p>All work is within or adjacent to existing paved roadways at this time.</p> <p>Some soil along the shoulder of Railroad Ave. is migrating into the roadway and being tracked by vehicle traffic (external to the project). 1/3-1/16/07</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 1/16/07</p>	<p>Not Applicable (NA)</p> <p>Issue is being evaluated.</p>
Vault Openings and Trench Construction Bridgeport	<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. 1/16/07</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. 1/16/07</p>	<p>Catch basins are protected.(Proactively)</p>
Fairfield	<p>Trenching activities continue on Rt. 1 near its intersection with Pequot Ave. A portion of the trench has been backfilled and loamed.</p>	<p>See erosion and sediment control section. 1/16/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	1/16/06		
Erosion and Sediment Controls Fairfield/Bridgeport	<p>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 1/16/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 1/16/07</p> <p>Problems with dust were not observed this week. 1/16/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. 1/16/07</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. 1/16/07</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. 1/16/07</p> <p>None. 1/16/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, and protect nearby catch basins during cutting activities. 1/16/07</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p> <p>NA</p>
Bridgeport	<p>A small accumulation of sediment was located adjacent to the filtering equipment within the parking area at the intersection of Railroad and Howard Aves. 1/16/07</p>	<p>Sweep up and properly dispose of any accumulated sediment to prevent tracking or run-off. 1/16/07</p>	<p>Needs attention when feasible.</p>
Fairfield	<p>Work at vault #41 is largely complete. Silt fence is installed around any remaining exposed soils. 1/16/07</p> <p>Silt fence is in place along trenching activities near Pequot Ave. Additional workspace has been necessary beyond the controls. 1/16/07</p> <p>A soil stockpile along Pequot Ave. is partially</p>	<p>Continue to stabilize soil as feasible but the area is contained. 1/16/07</p> <p>Continue to monitor and contain disturbed soils resulting from the construction. Maintain/re-establish controls as needed. 1/16/07</p> <p>Continue to monitor and</p>	<p>NA</p> <p>Needs regular attention.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>covered with plastic and has adjacent silt fence. It remains stable. 1/16/07</p> <p>A portion of the trench along Pequot Ave. has been backfilled and loamed but still requires stabilization. 1/16/07</p> <p>Some of the concrete wash-out was not fully contained within the wash-out basin. 1/3-1/16/07</p> <p>The sections of perimeter silt fence near the entrance to the yard have both been repaired. 1/16/07</p> <p>Another section of the perimeter fence adjacent to the resource area is in disrepair. 1/16/07</p>	<p>maintain any controls in disrepair. 1/16/07</p> <p>Stabilize any exposed soils as soon as feasible. 1/16/07</p> <p>Contain all concrete wash-out in basin and provide adequate capacity. 1/3-1/16/07</p> <p>Maintain controls as needed. 1/16/07</p> <p>Repair section of fence and continue to maintain controls as needed. 1/16/07</p>	<p>Needs attention when feasible.</p> <p>Needs evaluation.</p> <p>Silt fence has been re-established near the yard entrance.</p> <p>Needs attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 1/16/07</p>	<p>See erosion control section. 1/16/07</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</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. 1/16/07</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. 1/16/07</p>	<p>None 1/16/07</p> <p>See erosion control section. 1/16/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 1/16/07</p> <p>A small stockpile off Rt. 1 Pequot Ave is contained and stable. 1/16/07</p>	<p>Most areas are temporarily stabilized. 1/16/07</p> <p>See erosion control section. 1/16/07</p>	<p>NA</p> <p>NA</p>
State species of concern, threatened and endangered species.	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None</p>	<p>NA</p>
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Tire ruts were noted in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 1/16/07</p> <p>A portion of the shoulder along Railroad Ave. has been re-graded, leaving soils exposed. 1/16/07</p> <p>Work appears temporarily complete at Vault #36. 1/16/06</p> <p>Trenching activities at Howard and Railroad Aves were generating exposed soil. However, soil remains contained to the construction area. 1/16/06</p>	<p>NU is evaluating this and is looking into removing the loam and replacing gravel here for stability 1/16/07</p> <p>Place mulch or other temporary stabilization on exposed surfaces. 1/16/07</p> <p>Stabilize/restore area when appropriate. 11/01-1/16/07</p> <p>Stabilize/restore area when appropriate. 11/01-1/16/07</p>	<p>Issue is being evaluated.</p> <p>Needs attention when feasible.</p> <p>Needs attention when work is complete.</p> <p>Needs attention when work is complete.</p>
Dewatering	<p>Dewatering activities were observed this week at the trenchwork near the intersection of Railroad and Myrtle Aves. 1/16/07</p> <p>Run-off from trenching activities in the parking area off Railroad Ave was not noticeably turbid and remained contained to the work site. 1/16/07</p>	<p>None. Equipment was set up to filter the water. 1/16/07</p> <p>Continue to monitor. 1/16/07</p>	<p>NA</p> <p>NA</p>
Blasting	<p>No blasting has been proposed. 1/16/07</p>	<p>None 1/16/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 1/9/07	None 1/9/07	NA
	A small oil/fluid spill was noted on the pavement next to the generator located at the intersection of Railroad Ave. and Howard Ave. 1/16/07	Clean-up the spill as feasible and keep equipment maintained. 1/16/07	Needs attention.
Additional Observations	None 1/16/07	None 1/16/07	NA

Next likely scheduled inspection: **Tuesday January 23, 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*



Photo of trenching activities along Pequot Ave. A portion of the trench has been backfilled and loam applied. Area remains to be and are stabilized.



Photo of the perimeter erosion controls in the King's Highway lay-down yard. Sections of the fence have been compromised and are in need of repair.



Photo of a completed section of trench along Railroad Ave. near the intersection with Bostwick Ave.



Photo of an area that has been re-graded along the shoulder of Railroad Ave. Exposed soils should be stabilized.



Left: Photo of trenching activities along Railroad Ave. at its intersection with Howard Ave. The sediment on the pavement adjacent to the filter equipment should be swept up and disposed of. Right: Oil spill on the pavement noted next to generator that should be cleaned as feasible.



Both photos show trenching activities on Railroad Ave. at its intersection of Myrtle Ave. On the left, dewatering and filtering equipment is on-site in preparation for intercepting groundwater in the trench.