

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: April 19, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 3.57" of precipitation was reported since the previous inspection with 3.02" of the total recorded on 4/15. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within or adjacent to existing paved roadways at this time. 4/19/07  Dense graded crushed stone is being added to repair the ruts/ tracks previously observed along the shoulder of Railroad Ave. 4/19/07	See erosion control section. 4/19/07  Continue to apply stone or appropriate cover in areas of trenching that are prone to vehicle tracking. 4/19/07	Not Applicable (NA)  Stone is being used instead of loam in these locations. The new solution was approved by the city.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between sta. #720 to #726, and #690 to #693. 4/19/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 4/19/07	Catch basins are protected (proactively)
Fairfield	Trenching activities continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #458 to #464, and #548 to #553. 4/19/07  Vault #32 construction activities continue. Installation of a well was being conducted at vault #36. 4/19/07	Continue to monitor and be proactive. See erosion and sediment control section. 4/19/07  None. See erosion control section. 4/19/07	NA  NA

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<p>Erosion and Sediment Controls All active areas</p> <p>Fairfield</p> <p>Bridgeport</p>	<p>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 4/19/07</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. 4/19/07</p>	<p>Catch basins were protected. (Proactively)</p>
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were not observed this week. 4/19/07</p>	<p>Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 30 days, they should be stabilized within 7 days of the last activity. 4/19/07</p>	<p>Needs regular attention.</p>
	<p>Slurry from saw cutting activities has the potential to enter catch basins. 4/19/07</p>	<p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 4/19/07</p>	<p>NA</p>
	<p>Work at vault #41 is largely complete. Silt fence installed around the remaining exposed soils had been repaired, but still needs attention in one location. 4/13 – 4/19/07</p>	<p>Repair/maintain controls and continue to stabilize soil as feasible. 4/19/07</p>	<p>Silt fence was repaired but one spot still needs attention when feasible.</p>
	<p>A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 4/19/07</p>	<p>Continue to monitor and maintain controls. 4/19/07</p>	<p>NA</p>
	<p>Silt fence was installed around the exposed soil resulting from the well installation at vault #36 but it was not toed-in. 4/19/07</p>	<p>Toe-in the silt fence so that it provides the intended control in this area. 4/19/07</p>	<p>Silt fence was installed but needs attention.</p>
<p>Bridgeport</p>	<p>The sediment tracking previously observed on Myrtle Ave. was originating from a stockpile yard off of</p>	<p>Noted for the record since contractors stated the sediment is not related to this project. 4/19/07</p>	<p>NA</p>

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	Railroad Ave. This area was identified as being associated with the Glenbrook Cable project and is not covered under this D&M plan. 4/19/07		
	<p>Airborne dust migration was not noted within the Kings Highway lay-down yard at the time of inspection, but has been noted during past inspections. 4/19/07</p> <p>The portion of silt fence that was compromised by the pile of construction materials last week has been re-established. 4/19/07</p>	<p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 4/19/07</p> <p>Continue to monitor and maintain the controls here. Avoid placing materials where they will stress the silt fence 4/19/07</p>	<p>Needs regular attention.</p> <p>The compromised controls have been re-established.</p>
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 4/19/07	See erosion control section. 4/19/07	NA
Staging, Storage, and Parking Areas	A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 4/19/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 4/19/07	NA
	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. 4/19/07	See erosion control section. 4/19/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 4/19/07	Most areas are temporarily stabilized. 4/19/07	NA
	Soils in an area of	Remove dumpsters as	NA

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	<p>trenching at Railroad Ave and Howard Ave had elevated levels of lead and were being stored in covered dumpsters on the side of the roadway for future disposal. 2/16-2/23/07 Dumpsters remain, but most soil has been disposed of. 3/1 – 4/19/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 4/19/07</p>	<p>soon as feasible. 3/1 – 4/19/07</p> <p>See erosion control section. 4/19/07</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>The tire ruts previously observed in the shoulder of Railroad Ave. were being repaired with stone. This is also being done to backfill/cover the trench in other locations where ruts occur when non-project related vehicles pull off the road. 4/19/07</p> <p>Work appears temporarily complete at Vault #36, following well installation. 4/19/06</p> <p>The area near Vault #28 has been covered with a hard pack that is resistant to erosion. Piles of aggregate were noted in this area during the inspection. 3/6-4/19/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&amp;M Plan. 4/19/07</p> <p>The trench formerly</p>	<p>Continue to use the aggregate cover only in the lower lying shoulder areas that are more prone to heavy traffic and tracking. Higher areas could be restored to grass or original conditions. 4/19/07</p> <p>Stabilize/restore area when appropriate. 4/19/07</p> <p>Continue to monitor and provide final stabilization if necessary. 4/19/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 4/19/07</p> <p>Permanently stabilize area</p>	<p>Ruts were being repaired.</p> <p>Needs attention when work is complete.</p> <p>NA.</p> <p>NA at this time.</p> <p>NA at this time.</p>

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	located between Broad and Main St. has been backfilled with a hard pack material on 4/13. The area appears to be stable. 4/19/07	when feasible. 4/19/07	
Dewatering	Dewatering activities were not observed during this week's inspection. 4/19/07	Continue to appropriately contain or filter discharge water 4/19/07	NA
Blasting	No blasting has been proposed. 4/19/07	None 4/19/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 4/19/07	Ensure that spill kits are also present with each vehicle during active construction 4/19/07	NA
	Fluid filled equipment in the King's Highway yard is being proactively stored on liners or similar containment. 4/19/07	Continue to monitor. Good proactive controls are being used even though leaks were not observed. 4/19/07	NA
Additional Observations	None 4/19/07	None 4/19/07	NA

Next likely scheduled inspection: Thursday April 25, 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 Inspectors: Katie Bednaz, BSC Group

Reviewer: Diana Walden, BSC Group



Well installation at vault #36 caused additional soil disturbance. Silt fence has not been toed-in, leaving it ineffective. The silt fence should be toed-in to provide the intended control.



Stone is being applied to the ruts in the shoulder of Railroad Ave., and to prevent additional tracking.



Both photos are of the King's Highway lay-down yard. Left: The fluid filled equipment is being adequately and proactively contained within the yard. Right: General overview of the yard, no issues were noted.