

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 25, 2007

Inspector: Greg Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: No precipitation was reported since the previous inspection. (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. 4/25/07	See erosion control section. 4/25/07	Not Applicable (NA)
	Dense graded crushed stone has been added to repair the ruts/ tracks previously observed along the shoulder of Railroad Ave. Minor rutting in the new stone was observed but the area remains more stable. 4/25/07	Continue to apply stone or appropriate cover in areas of trenching that are prone to vehicle tracking. 4/25/07	Stone has been added to repair ruts. The new solution was approved by the city.
	Accumulated sediment/material was noted along the shoulder of the roadway adjacent to vault #32. 4/25/07	Continue to sweep streets in work areas on a regular basis. Ensure that gutters are also being cleaned appropriately. 4/25/07	Needs regular attention.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between sta. #720 to #725, and #687 to #690. 4/25/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 4/25/07	Catch basins are protected (proactively)
	Installation activities were being conducted at Vault #47. 4/25/07	None. 4/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	Trenching activities continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #458 to #463, and #608 to #611. 4/25/07	Continue to monitor and be proactive. See erosion and sediment control and dewatering section. 4/25/07	NA
	Vault #32 and #33 construction activities continue. 4/25/07	See erosion control section for more detail. 4/25/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 4/25/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 4/25/07	Catch basins were protected. (Proactively)
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were not observed this week. 4/25/07	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. 4/25/07	Needs regular attention.
	Slurry from saw cutting activities has the potential to enter catch basins. Problems with slurry were not observed this week. 4/25/07	Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 4/25/07	NA
	Fairfield	Work at vault #41 is largely complete. Silt fence installed around the remaining exposed soils had been fully repaired. 4/25/07	Repair/maintain controls and continue to stabilize soil as feasible. 4/19/07
Fairfield	A soil stockpile along Pequot Ave. is covered with plastic and has adjacent silt fence. It remains stable. 4/25/07	Continue to monitor and maintain controls. 4/25/07	NA
	Silt fence was installed around the exposed soil resulting from the well installation at vault #36	Toe-in the silt fence so that it provides the intended control in this area. 4/25/07	Silt fence was installed but needs attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Bridgeport	but it was not toed-in. 4/25/07 Significant sediment tracking was again observed at the Railroad and Myrtle Ave. intersection and was originating from a stockpile yard identified as being associated with the Glenbrook Cable project. This is not covered under this D&M plan. 4/25/07	Noted for the record since contractors stated the sediment is not related to this project. 4/25/07	NA
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	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. 4/25/07	Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 4/25/07	Needs regular attention.
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. 4/25/07	See erosion control section. 4/25/07	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. 4/25/07 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. 4/25/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 4/25/07 See erosion control section. 4/25/07	NA NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 4/25/07	Most areas are temporarily stabilized. 4/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Soils in an area of 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 Dumpsters have been removed. 4/25/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 4/19/07</p>	<p>Remove dumpsters as soon as feasible. 3/1 – 4/19/07</p> <p>See erosion control section. 4/19/07</p>	<p>NA</p> <p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&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>The tire ruts previously observed in the shoulder of Railroad Ave. were 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. 4/25/07</p> <p>Work appears temporarily complete at Vault #36. 4/13-4/25/06</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. 3/6 – 4/25/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&M Plan the week of 3/27/07.</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. 4/25/07</p> <p>Stabilize/restore area when appropriate. 4/25/07</p> <p>Continue to monitor and provide final stabilization if necessary. 4/25/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 4/25/07</p>	<p>Ruts were repaired</p> <p>Needs attention when work is complete.</p> <p>NA.</p> <p>NA at this time.</p>

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	The trench formerly located between Broad and Main St. has been backfilled with a hard pack material on 4/13. The area appears to be stable. 4/13 - 4/25/07	Permanently stabilize area when feasible. 4/25/07	NA at this time.
Dewatering	Dewatering activities were observed at sta. #458 to #463 during this week's inspection. 4/25/07	Discharge water appeared to be appropriately contained and/or filtered. 4/25/07	NA
Blasting	No blasting has been proposed. 4/25/07	None 4/25/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 4/25/07	Ensure that spill kits are also present with each vehicle during active construction 4/25/07	NA
	Fluid filled equipment in the King's Highway yard continue to be proactively stored on liners or similar containment. 4/25/07	Continue to monitor. Good proactive controls are being used even though leaks were not observed. 4/25/07	NA
Additional Observations	None 4/25/07	None 4/25/07	NA

Next likely scheduled inspection: Wednesday May 2, 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: Greg Sommer, BSC Group

Reviewer: Diana Walden and Katie Bednaz, BSC Group



Photo of vault #32, minor sediment/material accumulation was noted along the shoulder of the roadway. Provide regular sweeping along the roadway, including the gutters.



Photo of Railroad Ave. at its intersection with Myrtle Ave. Significant sediment tracking was noted but is due to a storage yard for a project not covered under this D&M plan.



Both photo show the construction activities at vault #47. No issues were noted.