

**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:** September 5, 2007

**Inspector:** Katie Bednaz

**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. 9/5/07  Sediment has migrated into Railroad Ave. from construction activities near station #789. 9/5/07	See erosion control section. 9/5/07  Remove any remaining sediment from roadway and paved areas, and stabilize/contain any exposed soils that remain with the construction area. 9/5/07	Not Applicable (NA)  Needs regular attention.
Vault Openings and Trench Construction <b>Bridgeport</b>	Active construction areas were observed at station #657 to #659, #674 to #675, #678 to # 680, #682 to #683, #692 to #696, near #757, and at #774. 9/5/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/5/07	NA
<b>Fairfield</b>	Active construction areas were observed at station #461 to #464, #494, #534 to #537, #593, and at #627. 9/5/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/5/07	NA
Erosion and Sediment Controls <b>All active areas</b>	Filter fabric or filter socks are installed in catch basins adjacent the	Continue place a gutter buddy (or similar) in any catch basins with a	Catch basins were protected. (Proactively)

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Fairfield	<p>construction activities. 9/5/07</p>	<p>curb/gutter drop inlet to prevent sediment from entering basin. 9/5/07</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. 9/5/07</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. 9/5/07</p>	<p>Needs regular attention</p>
	<p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week. 9/5/07</p>	<p>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 9/5/07</p>	<p>Needs regular attention</p>
Bridgeport	<p>The silt fence at vault #37 (near Fairfield Inn) was removed on 8/21. A small portion of soil was exposed as a result of the removal. Also, some vehicle ruts were noted in the grass along the roadway shoulder. 8/21-9/5/07</p>	<p>Stabilize exposed soils with seed and mulch to prevent sediment migration. Continue to monitor until final stabilization is achieved. Areas adjacent to the road may need more structural stabilization. 8/21-9/5/07</p>	<p>Continue to stabilize any areas of exposed soil.</p>
	<p>Sediment tracking and accumulation in the catch basins are regularly observed at the Railroad and Myrtle Ave. intersection. Sediment is originating from a stockpile yard identified as being associated with the Glenbrook Cable project. This is not covered under this D&amp;M plan. 9/5/07</p>	<p>Noted for the record since contractors stated the sediment is not related to this project. 9/5/07</p>	<p>NA</p>
	<p>Sediment and debris were accumulating in the controls at the catch basins at the intersection of Railroad and Hancock Ave. The material appears to be a result of the</p>	<p>Remove sediment and debris from the catch basins, restoring their capacity. Sweep and properly dispose of any sediment/material within the roadway. 8/2-9/5/07</p>	<p>Needs attention</p>

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	deteriorating patch or fill on the trench. Minor sediment was noted within the roadway. 8/2-9/5/07		
	Erosion controls are in need of repair at vault #41. Controls were isolating hard pack material. Migration of material was not noted. 9/5/07	Re-establish or remove controls. If controls are removed, continue to monitor to ensure hard pack is not migrating. 9/5/07	Needs attention
	Over the past few weeks, perimeter erosion controls have been overwhelmed by stored materials in two locations at the yard. 8/8-9/5/07	Re-establish the controls where necessary. 8/8-9/5/07	Needs 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. 9/5/07	See erosion control section. 9/5/07	NA
Staging, Storage, and Parking Areas	A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and parking. Reserve spill kits are located near the equipment trailers. 9/5/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 9/5/07	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located near the equipment trailers. 9/5/07	See Erosion Control and Spills and Material Storage sections. 9/5/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 9/5/07	Most areas are temporarily stabilized. 9/5/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 9/5/07	See erosion control section. 9/5/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
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>Vegetation continues to establish in the hydroseeded areas at vault #36 and #37, and has reached 75% cover in some areas. 9/5/07</p> <p>The area near Vault #28 remains covered with a hard pack that is resistant to erosion. 9/5/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&amp;M Plan the week of 3/27/07. 9/5/07</p> <p>Grass/vegetation continues to grow in the stabilized area between Broad and Main St. The area is approximately 70% vegetated. 9/5/07</p> <p>A portion of the trench work along Pequot Ave. has achieved final vegetative stabilization, while a portion remains un-vegetated but stable. 9/5/07</p> <p>Soil/process remains exposed but contained at vault #41, Vault #49 remains bare but has been covered with a hard pack that is resistant to erosion.(noted 6/6) 9/5/07</p> <p>A Private yard next to vault #28 has been stabilized with seed and hay mulch (noted 6/13). Vehicles are frequently</p>	<p>Continue to monitor until final stabilization is achieved. See erosion control section for more details on vault #37. 9/5/07</p> <p>Continue to monitor and provide final stabilization if necessary. 9/5/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 9/5/07</p> <p>Continue to monitor for acceptable vegetative cover. 9/5/07</p> <p>Permanently stabilize remaining exposed area when feasible. 9/5/07</p> <p>Permanently stabilize soil as required by the D &amp; M Plan as soon as feasible. 9/5/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 9/5/07</p>	<p>Grass cover is increasing.</p> <p>NA</p> <p>NA at this time</p> <p>Area is largely stable</p> <p>NA at this time</p> <p>NA at this time</p> <p>NA at this time</p>

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	<p>noted parking on seeded areas. Approximately 65% vegetative growth was noted this week. 9/5/07</p> <p>One tree has been removed (In accordance with the D &amp; M Plan) adjacent to vault #42 in preparation for trenching activities. 9/5/07</p>	Vegetation should be restored as necessary upon completion of work in this area. 9/5/07	NA at this time
Dewatering	Dewatering activities were not observed during the inspection this week. 9/5/07	Continue to properly contain and/or filter discharge water when dewatering is required. 9/5/07	NA
Blasting	No blasting has been proposed. 9/5/07	None 9/5/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 9/5/07</p> <p>All equipment within the King's Highway yard was adequately stored this week. The Bostwick Yard was not inspected. 9/5/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 9/5/07</p> <p>Continue to proactively store all fluid filled equipment in the designated contained locations. 9/5/07</p>	<p>NA</p> <p>Needs regular attention</p>
Additional Observations	None 9/5/07	None 9/5/07	NA

Next likely scheduled inspection: Tuesday September 11, 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

Reviewers: Lee Curtis, BSC Group



Both photographs were taken within the King's Highway lay-down yard. Erosion controls have been compromised and should be reestablished.



Erosion controls at vault #41 are in need of repair. Sediment does not appear to be migrating from this location. Recommend removing or re-establishing controls.



Sediment from construction activities was noted on Railroad Ave., near the shoulder. Recommend sweeping sediment from all paved surfaces.