

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 11, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.57" of precipitation was reported since the previous inspection with all but a trace of precipitation recorded on 9/11. (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. 9/11/07 Sediment has migrated into Railroad Ave. from construction activities near station #789. 9/5 – 9/11/07	See erosion control section. 9/11/07 Remove any remaining sediment from roadway and paved areas, and stabilize/contain any exposed soils that remain with the construction area. 9/11/07	Not Applicable (NA) Needs attention.
Vault Openings and Trench Construction Bridgeport	Active construction areas were observed at station #656 to #658, #674 to #675, #678 to # 679, #682 to #683, #694 to #696, near #757, and at #774. 9/11/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/11/07	NA
Fairfield	Active construction areas were observed at station #461 to #464, #494, #533 to #537, and #626 to #627. 9/11/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/11/07	NA
Erosion and Sediment Controls All active areas	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)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>construction activities. 9/11/07</p>	<p>curb/gutter drop inlet to prevent sediment from entering basin. 9/11/07</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. 9/11/07</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. 9/11/07</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. 9/11/07</p>	<p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 9/11/07</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. 8/21-9/11/07</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. 9/11/07</p>	<p>Continue to stabilize any areas of exposed soil.</p>
	<p>Sediment laden stormwater was observed flowing from the stockpile yard (identified as being associated with the Glenbrook Cable project) down Railroad Ave. and into an unprotected catch basin. This is not covered under this D&M plan. 9/11/07</p>	<p>Noted for the record since contractors stated the sediment is not related to this project. 9/11/07</p>	<p>NA</p>
	<p>Sediment and debris has been accumulating in the catch basin controls at the intersection of Railroad and Hancock Ave. 8/2-9/5/07 One silt sack was replaced, but one catch basin still requires attention.</p>	<p>Continue to remove sediment and debris from the catch basins to restore their capacity. Sweep and properly dispose of any sediment/material within the roadway. 8/2-9/11/07</p>	<p>One silt sack was replaced, but one catch basin still requires attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	<p>9/11/07</p> <p>Compromised controls have been removed at vault #41. 9/11/07</p> <p>The outstanding perimeter controls have been re-established, but an additional area has been compromised by materials adjacent to the watercourse. 9/11/07</p>	<p>Continue to monitor to ensure hard pack is not migrating. 9/11/07</p> <p>Re-establish the controls where necessary. 8/8-9/11/07</p>	<p>Compromised controls have been removed</p> <p>Needs attention</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. 9/11/07	See erosion control section. 9/11/07	NA
Staging, Storage, and Parking Areas	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and parking. Reserve spill kits are located near the equipment trailers. 9/11/07</p> <p>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. 9/11/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 9/11/07</p> <p>See Erosion Control and Spills and Material Storage sections. 9/11/07</p>	<p>NA</p> <p>NA</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 9/11/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 9/11/07</p>	<p>Most areas are temporarily stabilized. 9/11/07</p> <p>See erosion control section. 9/11/07</p>	<p>NA</p> <p>NA</p>
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

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Vegetation continues to establish in the hydroseeded areas at vault #36 and #37, and has reached 75% cover in some areas. 9/11/07</p>	<p>Continue to monitor until final stabilization is achieved. See erosion control section for more details on vault #37. 9/11/07</p>	<p>Grass cover is increasing.</p>
	<p>The area near Vault #28 remains covered with a hard pack that is resistant to erosion. 9/11/07</p>	<p>Continue to monitor and provide final stabilization if necessary. 9/11/07</p>	<p>NA</p>
	<p>Two trees were removed near sta. #462 in accordance with the D&M Plan the week of 3/27/07. 9/11/07</p>	<p>Vegetation should be restored as necessary upon completion of work in this area. 9/11/07</p>	<p>NA at this time</p>
	<p>Grass/vegetation continues to grow in the stabilized area between Broad and Main St. The area is approximately 70% vegetated. 9/11/07</p>	<p>Continue to monitor for acceptable vegetative cover. 9/11/07</p>	<p>Area is largely stable</p>
	<p>A portion of the trench work along Pequot Ave. has achieved final vegetative stabilization, while a portion remains un-vegetated but stable. 9/11/07</p>	<p>Permanently stabilize remaining exposed area when feasible. 9/11/07</p>	<p>NA at this time</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). 9/11/07</p>	<p>Permanently stabilize soil as required by the D & M Plan as soon as feasible. 9/11/07</p>	<p>NA at this time</p>
	<p>A Private yard next to vault #28 has been stabilized with seed and hay mulch (noted 6/13). Vehicles are frequently noted parking on seeded areas. Approximately 65% vegetative growth was noted. 9/11/07</p>	<p>Continue to monitor to ensure adequate establishment of vegetation. 9/11/07</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	One tree has been removed (In accordance with the D & M Plan) adjacent to vault #42 in preparation for trenching activities. 9/11/07	Vegetation should be restored as necessary upon completion of work in this area. 9/11/07	NA at this time
Dewatering	Dewatering activities were not observed during this week's inspection. 9/11/07	Continue to properly contain and/or filter discharge water when dewatering is required. 9/11/07	NA
Blasting	No blasting has been proposed. 9/11/07	None 9/11/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 9/11/07	Ensure that spill kits are also present with each vehicle during active construction 9/11/07	NA
	Fluid-filled equipment/ attachments were stored outside of the designated contained locations within the King's Highway and Bostwick Ave. 9/11/07	Continue to proactively store all fluid filled equipment in the designated contained locations. 9/11/07	Needs regular attention
Additional Observations	None 9/11/07	None 9/11/07	NA

Next likely scheduled inspection: Tuesday September 18, 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. Left: Stone has been added to an area of the yard that is consistently muddy. Right: Erosion controls have been re-established.



Compromised erosion controls at vault #41 have been removed.



A number of silt sacks have been replaced along Railroad Ave. A few still require cleaning/replacement.



Both photographs show stormwater leaving the lay-down yard at the intersection of Railroad and Myrtle Ave. The yard is not related to this portion of the project, it appears to be part of the Glenbrook Cable portion of the project. Above: Sediment laden stormwater travels from the yard down the edge of the roadway. Below: Sediment laden stormwater (shown above) is entering an unprotected catch basin on Railroad Ave (far left of above photograph).

