

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 18, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.13” of precipitation was reported since the previous inspection with 0.11” of precipitation recorded on 9/15. (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. 9/18/07 Sediment has migrated into Railroad Ave. from construction activities near station #789. 9/5 – 9/11/07 Sediment was no longer observed within the roadway or adjacent paved area. 9/18/07	See erosion control section. 9/18/07 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) Sediment has been removed.
Vault Openings and Trench Construction Bridgeport	Active construction areas were observed at station #655 to #657, #662, #671 to #674, #677 to #680, #681 to #682, #695 to #696, #710 to #711, #756 to #758, and #774 to #775. 9/18/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/18/07	NA
Fairfield	Active construction areas were observed at station #461 to #464, #535, and #629. 9/18/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 9/18/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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 the construction activities. 9/18/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Airborn dust migration was noted within the Bostwick Ave. lay-down yard. 9/18/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week. 9/18/07</p> <p>The silt fence at vault #37 (near Fairfield Inn) was removed. 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. 8/21-9/18/07</p> <p>The storage yard identified as being associated with the Glenbrook Cable project (at the intersection of Railroad and Myrtle Ave. intersection) on Railroad Ave. has had calcium chloride applied to exposed soils. The catch basin on the south side of the road is protected with a silt sack, however the catch basin on the north side of the road that receives the majority of run-off from the yard was not protected. This is not</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. 9/18/07</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. 9/18/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 9/18/07</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. 9/18/07</p> <p>Noted for the record since contractors stated the sediment is not related to this project. 9/18/07</p>	<p>Catch basins were protected. (Proactively)</p> <p>NA</p> <p>Needs regular attention</p> <p>Continue to stabilize any areas of exposed soil.</p> <p>NA</p>

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	<p>covered under this D&M plan. 9/18/07</p> <p>Sediment and debris was 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 deteriorating patch or fill on the trench. Minor amounts of sediment were noted within the roadway. 8/2-9/5/07 All silt sacks have been replaced and sediment has been swept from pavement. 9/18/07</p> <p>A portion of the erosion controls that are not required remain at vault #41. 9/18/07</p> <p>OThe outstanding perimeter controls have been re-established, while an additional area has been compromised by materials adjacent to the watercourse. 9/11/07 All compromised controls within the yard have been re-established. 9/18/07</p>	<p>Remove sediment and debris from the catch basins, restoring their capacity. Sweep and properly dispose of any sediment/material within the roadway. 8/2-9/11/07</p> <p>Consider removing all controls at vault #41 for aesthetics. 9/18/07</p> <p>Re-establish the controls where necessary. 8/8-9/11/07</p>	<p>All silt sacks have been replaced and sediment removed from pavement.</p> <p>NA</p> <p>All 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. 9/18/07	See erosion control section. 9/18/07	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. 9/18/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage and Erosion Control section for more detail. 9/18/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 9/18/07	See Erosion Control and Spills and Material Storage sections. 9/18/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 9/18/07	Most areas are temporarily stabilized. 9/18/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 9/18/07	See erosion control section. 9/18/07	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	Vegetation continues to establish in the hydroseeded areas at vault #36 and #37, and has reached 75% cover in some areas. 9/18/07	Continue to monitor until final stabilization is achieved. See erosion control section for more details on vault #37. 9/18/07	Grass cover is increasing.
	The area near Vault #28 remains covered with a hard pack that is resistant to erosion. 9/18/07	Continue to monitor and provide final stabilization if necessary. 9/18/07	NA
	Two trees were removed near sta. #462 in accordance with the D&M Plan the week of 3/27/07. 9/18/07	Vegetation should be restored as necessary upon completion of work in this area. 9/18/07	NA at this time
	Grass/vegetation continues to grow in the stabilized area between Broad and Main St. The area is approximately 70% vegetated. 9/18/07	Continue to monitor for acceptable vegetative cover. 9/18/07	Area is largely stable
	A portion of the trench work along Pequot Ave. has achieved final vegetative stabilization, while a portion remains un-vegetated but stable.	Permanently stabilize remaining exposed area when feasible. 9/18/07	NA at this time

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	<p>9/18/07</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) 9/11/07</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 70% vegetative growth was noted. 9/18/07</p> <p>One tree has been removed (In accordance with the D & M Plan) adjacent to vault #42 in preparation for trenching activities. 9/18/07</p>	<p>Permanently stabilize soil as required by the D & M Plan as soon as feasible. 9/11/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 9/18/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 9/18/07</p>	<p>NA at this time</p> <p>Continue to monitor until final stabilization is achieved</p> <p>NA at this time</p>
Dewatering	Dewatering activities were not observed during this week's inspection. 9/18/07	Continue to properly contain and/or filter discharge water when dewatering is required. 9/18/07	NA
Blasting	No blasting has been proposed. 9/18/07	None 9/18/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 9/18/07</p> <p>Fluid-filled equipment/ attachments were noted stored within both the King's Highway and Bostwick Ave. lay-down yards, but outside of the designated contained locations. 9/11/07 All fluid filled equipment was observed to be</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 9/18/07</p> <p>Continue to proactively store all fluid filled equipment in the designated contained locations. 9/11/07</p>	<p>NA</p> <p>Fluid filled equipment was adequately contained.</p>

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	adequately contained. 9/18/07		
Additional Observations	None 9/18/07	None 9/18/07	NA

Next likely scheduled inspection: Wednesday September 26, 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

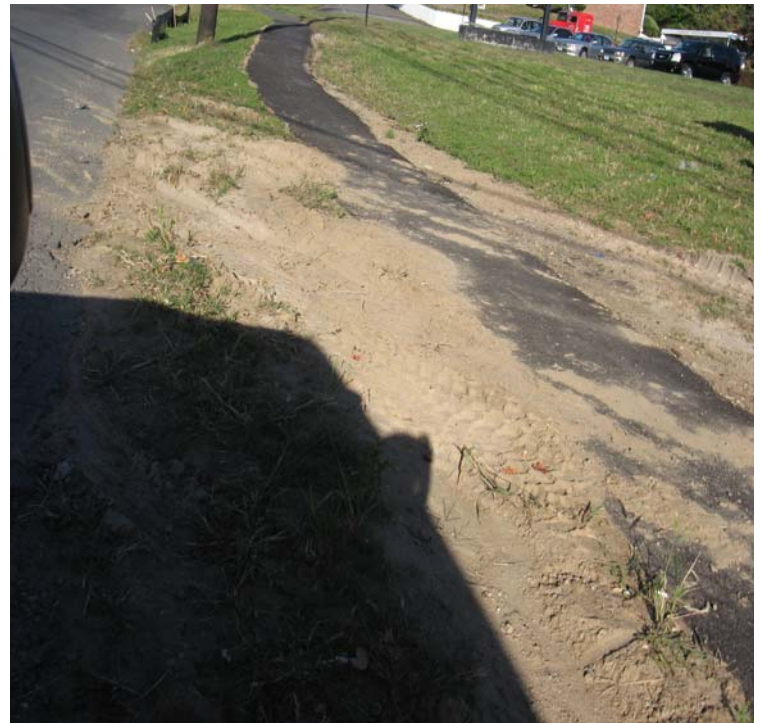
Reviewers: Diana Walden, BSC Group



Both photographs were taken within the Bostwick Ave lay-down yard. Left: Airborne dust associated with vehicle traffic was noted within the yard. Right: Fluid filled equipment (sweeper) was removed from the yard.



Erosion controls adjacent to the watercourse within the King's Highway lay-down yard have been re-established.



Ruts along the road in front of the Fairfield Inn remain. Recommended stabilizing exposed soils.



Sediment

within and adjacent to the roadway has been swept.

previously



Both photographs are associated with the storage yard for the Glenbrook portion of the project (not project related) located on Railroad Ave. Left: Calcium chloride has been added at the yard. Right: Railroad Ave. has been swept and a silt sack has been installed within the catch basin on the south side of roadway. The catch basin that receives most of the runoff from the yard on the north side of Railroad Ave. remains unprotected.