

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: August 21, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.14" of precipitation was reported since the previous inspection with all but a trace of precipitation recorded on 8/17. (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. 8/21/07 Last week, some sediment or slurry tracking/migration was noted in a few locations along Railroad Ave., including near station #789. This week it was not as noticeable as rains may have washed it away. 8/21/07	See erosion control section. 8/21/07 Remove any remaining sediment from roadway and stabilize/contain any exposed soils that remain with the construction area. 8/21/07	Not Applicable (NA) Needs regular attention.
Vault Openings and Trench Construction Bridgeport	Construction/trenching activities were ongoing at sta. #657 to #658, #662, #675 to #679, #682 to #683, #693 to #694, vault #42 to #697, and at #775 to vault #47. Portions of the median within Rt. 1 were being disassembled. 8/21/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/21/07	NA
Fairfield	Construction/trenching activities were ongoing at sta., #461 to #463, #534 to #536, #593, and at #627. 8/21/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to	NA

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		sweep roadways as soon as feasible. 8/21/07	
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent the construction activities. 8/21/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 8/21/07	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. 8/21/07	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. 8/21/07	Needs regular attention
Fairfield	The silt fence at vault #37 (near Fairfield Inn) has been removed after one portion was in disrepair since 7/19. 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. 8/21/07	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. 8/21/07	Silt fence was removed; continue to stabilize resulting exposed soil.
Bridgeport	Slurry from saw cutting activities has the potential to enter catch basins. The slurry that was observed near sta. #775 last week was no longer observed. 8/21/07	Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 8/15/07	Slurry was no longer observed
	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&M	Noted for the record since contractors stated the sediment is not related to this project. 8/21/07	NA

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	<p>covered under this D&M plan. This week, a significant amount of sediment-laden runoff was leaving the yard and entering a nearby unprotected catch basin. 8/21/07</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. 8/2-8/21/07</p> <p>Sediment from the construction activities was noted within Railroad Ave. near sta. #789. 8/15/07 Minimal sediment remains, rain may have washed some away. 8/21/07</p> <p>Perimeter erosion controls are overwhelmed by stored materials in two locations at the yard. 8/8-8/21/07</p>	<p>Remove sediment and debris from the catch basins, restoring their capacity. Sweep and properly dispose of any sediment/material within the roadway. 8/2-8/21/07</p> <p>Remove sediment from roadway and stabilize/contain any exposed soils that remain with the construction area. 8/21/07</p> <p>Re-establish the controls where necessary. 8/21/07</p>	<p>Needs attention</p> <p>Needs attention</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. 8/21/07	See erosion control section. 8/21/07	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. 8/21/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 8/21/07	NA

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	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. 8/21/07	See Erosion Control and Spills and Material Storage sections. 8/21/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 8/21/07	Most areas are temporarily stabilized. 8/21/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 8/21/07	See erosion control section. 8/21/07	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. 8/21/07	Continue to monitor until final stabilization is achieved. 8/21/07	Grass cover is increasing.
	The area near Vault #28 has been covered with a hard pack that is resistant to erosion. 8/21/07	Continue to monitor and provide final stabilization if necessary. 8/21/07	NA
	Two trees were removed near sta. #462 in accordance with the D&M Plan the week of 3/27/07. 8/21/07	Vegetation should be restored as necessary upon completion of work in this area. 8/21/07	NA at this time
	Grass/vegetation continues to grow in the stabilized area between Broad and Main St. The area is approximately 70% vegetated. 8/21/07	Continue to monitor for acceptable vegetative cover. 8/21/07	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. 8/21/07	NA at this time

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	<p>8/21/07</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) 8/21/07</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. Vegetative growth was noted. 8/21/07</p> <p>One tree has been removed (In accordance with the D & M Plan) adjacent to vault #42 in preparation for trenching activities. 8/21/07</p>	<p>Permanently stabilize soil as required by the D & M Plan as soon as feasible. 8/21/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 8/21/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 8/21/07</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. 8/21/07	Continue to properly contain and/or filter discharge water when dewatering is required. 8/21/07	NA
Blasting	No blasting has been proposed. 8/21/07	None 8/21/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 8/21/07</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. 8/21/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 8/21/07</p> <p>Continue to proactively store all fluid filled equipment in the designated contained locations. 8/21/07</p>	<p>NA</p> <p>Needs regular attention</p>

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Additional Observations	None 8/21/07	None 8/21/07	NA

Next likely scheduled inspection: Wednesday August 29, 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

Reviewers: Diana Walden, BSC Group



Both photos were taken within the King's Highway lay-down yard. Left: Materials were still observed overwhelming perimeter barrier controls in two locations to the left and right of photo view. Right: A fluid filled bucket/attachment was being stored just outside of the containment area but still within the yard. Continue to store fluid filled equipment proactively within the containment area.



Erosion controls near vault #37 have been removed. Small amounts of exposed soil were noted as a result of removing the silt fence. Some ruts/exposed soil were also noted in the grass along the shoulder of the roadway. Mulch and seed these areas to reduce run-off.



A fluid-filled sweeper was noted stored within the Bostwick Ave. lay-down yard. Continue to store all fluid filled equipment proactively in the proper containment.