

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 2, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.11" of precipitation was reported since the previous inspection with all but a trace of precipitation recorded on 7/29. (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. 8/02/07	See erosion control section. 8/02/07	Not Applicable (NA)
Vault Openings and Trench Construction Bridgeport	Construction/trenching activities were ongoing at sta. #660 to #662, #677 to #679, #682 to #683, vault #42 to #699, and at #790 to #791. 8/02/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/02/07	NA
Fairfield	Construction trenching activities were ongoing at sta., #460 to #464, #494, #534 to #537, and at #580 to #582. 8/02/07	Continue to monitor and be proactive. See erosion and sediment control and dewatering section. 8/02/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent the construction activities. 8/02/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 8/02/07	Catch basins were protected. (Proactively)
	Any exposed soils have potential for airborne dust migration.	Prevent dust migration by regularly watering down exposed soils and	Needs regular attention

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Fairfield	<p>Contractors are aware of the potential. Problems with dust were not observed this week. 8/02/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues with dried slurry/dust from saw-cutting activities were not observed this week. 8/2/07</p> <p>Vegetation at vault #36 and #37 continues to establish. Silt fence at vault #37 has been compromised in one location since 7/19/07. 8/02/07</p>	<p>sweeping immediately. If exposed soils are not to be worked within 30 days, they should be stabilized within 7 days of the last activity. 8/02/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 8/2/07</p> <p>Continue to monitor until final stabilization is achieved. Repair compromised silt fence at vault #37. 8/02/07</p>	<p>No issues noted but needs regular attention</p> <p>Grass growth continues. Silt fence needs repair.</p>
Bridgeport	<p>No sediment was observed within the roadway this week but 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. 8/02/07</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. 8/02/07</p>	<p>Noted for the record since contractors stated the sediment is not related to this project. 8/02/07</p> <p>Remove sediment and debris from the catch basins, restoring their capacity. Sweep and properly dispose of any sediment/material within the roadway. 8/02/07</p>	<p>NA</p> <p>Needs attention</p>

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	Perimeter erosion controls remain in place at the yard. 8/02/07	Continue to monitor and maintain the perimeter silt fence as necessary. 8/02/07	NA
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. 8/02/07	See erosion control section. 8/02/07	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. 8/02/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 8/02/07	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. 8/02/07	See erosion control section 8/02/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 8/02/07	Most areas are temporarily stabilized. 8/02/07	NA
	A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 8/02/07	See erosion control section. 8/02/07	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 recently hydroseeded areas at vault #36 and #37, and has reached 75% cover in some areas. 8/02/07	Continue to monitor until final stabilization is achieved. 8/02/07	Grass cover is increasing.
	The area near Vault #28 has been covered with a hard pack that is resistant	Continue to monitor and provide final stabilization if necessary. 8/02/07	NA

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	<p>to erosion. 8/02/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&amp;M Plan the week of 3/27/07. 8/02/07</p> <p>Grass/vegetation continues to grow in the stabilized area between Broad and Main St. The area is approximately 70% vegetated. 8/02/07</p> <p>A portion of the trench work along Pequot has achieved final vegetative stabilization, while a portion remains un-vegetated but stable. 8/02/07</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) 8/02/07</p> <p>A Private yard next to vault #28 has been stabilized with seed and hay mulch (noted 6/13) Vegetative growth was noted. 8/02/07</p> <p>One tree has been removed (In accordance with the D &amp; M Plan) adjacent to vault #42 last week, in preparation for trenching activities. 8/02/07</p>	<p>Vegetation should be restored as necessary upon completion of work in this area. 8/02/07</p> <p>Continue to monitor for acceptable vegetative cover. 8/02/07</p> <p>Permanently stabilize remaining exposed area when feasible. 8/02/07</p> <p>Permanently stabilize soil as required by the D &amp; M Plan as soon as feasible. 8/02/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation. 8/02/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 8/02/07</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>Minor grass growth noted</p> <p>NA at this time</p>
Dewatering	Dewatering activities were observed during this week's inspection at sta. #582. 8/02/07	Continue to appropriately contain and/or filter discharge water. 8/02/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting has been proposed. 8/02/07	None 8/02/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 8/02/07	Ensure that spill kits are also present with each vehicle during active construction 8/02/07	NA
Additional Observations	None 8/02/07	None 8/02/07	NA

Next likely scheduled inspection: Wednesday August 8, 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



Photo of trenching activities at sta. #788 to #789.



Catch basins located at the intersection of Railroad Ave. and Hancock Ave. are overwhelmed by sediment and debris. Some of the material appears to be from deteriorating patches or fill covering the trench.



Photo of a typical active area of construction as it looks during the daytime, with trench covers in place.



Photo of vegetative growth at vault #37. The majority of the area has greater than 75% vegetative cover.