

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 8, 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 0.7” of precipitation recorded on 8/6. (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. 8/08/07	See erosion control section. 8/08/07	Not Applicable (NA)
	PVC shavings from conduit installation was noted at sta. #789 within Railroad Ave. 8/8/07	See Spills and Material Storage section for more information. 8/8/08	Needs attention
Vault Openings and Trench Construction Bridgeport	Construction/trenching activities were ongoing at sta. #658 to #661, #662, #676 to #678, #682 to #683, vault #42 to #699, and at #788 to #789. 8/08/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/08/07	NA
Fairfield	Construction trenching activities were ongoing at sta., #461 to #463, #494, #534 to #537, #581 to #583, and at #593. 8/08/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/08/07	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)

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Fairfield	<p>construction activities. 8/08/07</p>	<p>curb/gutter drop inlet to prevent sediment from entering basin. 8/08/07</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. 8/08/07</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. 8/08/07</p>	<p>Needs regular attention</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. 8/8/07</p>	<p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 8/8/07</p>	<p>No issues noted but needs regular attention</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. 8/08/07</p>	<p>Continue to monitor until final stabilization is achieved. Repair compromised silt fence at vault #37. 8/08/07</p>	<p>Grass growth continues. Silt fence needs repair.</p>
Bridgeport	<p>Minimal sediment was observed within the roadway this week. 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. 8/08/07</p>	<p>Noted for the record since contractors stated the sediment is not related to this project. 8/08/07</p>	<p>NA</p>
	<p>Sediment and debris was accumulating in the controls at the catch basins at the intersection of Railroad and Hancock</p>	<p>Remove sediment and debris from the catch basins, restoring their capacity. Sweep and properly dispose of any</p>	<p>Needs attention</p>

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Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	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 – 8/8/07  Perimeter erosion controls are overwhelmed by stored materials in two locations at the yard. 8/08/07	sediment/material within the roadway. 8/2-8/8/07  Re-establish the controls where necessary. 8/08/07	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. 8/08/07	See erosion control section. 8/08/07	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. 8/08/07  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. 8/08/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 8/08/07  See erosion control section 8/08/07	NA  NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 8/08/07  A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 8/08/07	Most areas are temporarily stabilized. 8/082/07  See erosion control section. 8/08/07	NA  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)	Vegetation continues to establish in the recently	Continue to monitor until final stabilization is	Grass cover is increasing.

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<p>or danger trees noted) or stabilization</p>	<p>hydroseeded areas at vault #36 and #37, and has reached 75% cover in some areas. 8/08/07</p>	<p>achieved. 8/08/07</p>	
	<p>The area near Vault #28 has been covered with a hard pack that is resistant to erosion. 8/08/07</p>	<p>Continue to monitor and provide final stabilization if necessary. 8/08/07</p>	<p>NA</p>
	<p>Two trees were removed near sta. #462 in accordance with the D&amp;M Plan the week of 3/27/07. 8/08/07</p>	<p>Vegetation should be restored as necessary upon completion of work in this area. 8/08/07</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. 8/08/07</p>	<p>Continue to monitor for acceptable vegetative cover. 8/08/07</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. 8/08/07</p>	<p>Permanently stabilize remaining exposed area when feasible. 8/08/07</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) 8/08/07</p>	<p>Permanently stabilize soil as required by the D &amp; M Plan as soon as feasible. 8/08/07</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. Vegetative growth was noted. 8/08/07</p>	<p>Continue to monitor to ensure adequate establishment of vegetation. 8/08/07</p>	<p>Minor grass growth noted</p>
	<p>One tree has been removed (In accordance with the D &amp; M Plan) adjacent to vault #42</p>	<p>Vegetation should be restored as necessary upon completion of work in this area. 8/08/07</p>	<p>NA at this time</p>

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	(week of 7/25), in preparation for trenching activities. 8/08/07		
Dewatering	Dewatering activities were not observed during this week's inspection. 8/08/07	Continue to properly contain and/or filter discharge water when dewatering is required. 8/08/07	NA
Blasting	No blasting has been proposed. 8/08/07	None 8/08/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 8/08/07  PVC shavings from conduit installation were noted at sta. #789 within Railroad Ave. These plastic shavings have the potential to run-off to adjacent catch basins with stormwater. 8/08/07	Ensure that spill kits are also present with each vehicle during active construction 8/082/07  Clean and properly dispose of existing shavings and properly contain future PVC shavings. 8/08/07	NA  Needs regular attention
Additional Observations	None 8/08/07	None 8/08/07	NA

Next likely scheduled inspection: Wednesday August 15, 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 vault #36. Grass cover/growth continues to stabilize the exposed soils in this location.



PVC shavings from conduit installation at sta. #789 were observed within the roadway. Uncontained shavings have the potential to enter a waterway via stormwater run-off to a nearby catch basin.



Both photos were taken within the King's Highway lay-down yard. Materials were observed overwhelming perimeter barrier controls in two locations.