

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: May 17, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: A total of 0.69" of precipitation was reported since the previous inspection with 0.53" recorded on 5/16. (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. 5/17/07	See erosion control section. 5/17/07	Not Applicable (NA)
	The hole located under the pavement near sta. #494 on the north side of Pequot Ave. (noted since 5/2), has been filled and patched with bituminous concrete. 5/17/07	None at this time. 5/17/07	The hole in the pavement has been repaired.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue between sta. #683 to #684, #701 to #705, and at #725. 5/17/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 5/17/07	Catch basins are protected (proactively)
	Work on vault #42 is complete while construction activities have commenced at vault #40. 5/17/07	None. 5/17/07	NA
Fairfield	Trenching activities continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #458 to #462, #551, #593 to #594, and #610 to #613.	Continue to monitor and be proactive. See erosion and sediment control and dewatering section. 5/17/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>5/17/07</p> <p>Activities at Vaults #34 and #38 are complete. 5/17/07</p> <p>Activities continue at Vaults #37. 5/17/07</p>	<p>None. Continue to restore/stabilize exposed soil when feasible. 5/17/07</p> <p>See erosion control section for more details. 5/17/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls All active areas</p>	<p>Filter fabric or filter socks are installed in catch basins adjacent the construction activities. 5/17/07</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. 5/17/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Problems with slurry entering catch basins were not observed this week. 5/17/07</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. 5/17/07</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. 5/17/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 5/17/07</p>	<p>Catch basins were protected. (Proactively)</p> <p>Needs regular attention.</p> <p>NA</p>
<p>Fairfield</p>	<p>Access to construction activities near vault #37 has been gained via an opening in the erosion controls at station #612, leaving exposed soil uncontained at the close of each work period. 5/17/07</p> <p>A private yard next to vault #28 has been stabilized with seed and hay mulch. 5/17/07</p>	<p>Erosion controls should be re-established in this location at the close of each work period to prevent potential sediment migration during heavy rain events. (Haybales could also be placed across the access.) 5/17/07</p> <p>Continue to monitor to ensure adequate establishment of vegetation and lawn cover. 5/17/07</p>	<p>Needs attention.</p> <p>Area was seeded and mulched.</p>

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Bridgeport	Sediment tracking is regularly observed at the Railroad and Myrtle Ave. intersection and was originating from a stockpile yard identified as being associated with the Glenbrook Cable project. This is not covered under this D&M plan. 4/25 – 5/17/07	Noted for the record since contractors stated the sediment is not related to this project. 5/17/07	NA
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	Dried concrete washout or slurry remains in an uncontained location. 5/10 – 5/17/07	Properly dispose of the observed material and provide containment for future washouts. 5/10-5/17/07	Needs attention
	Silt fence has been overwhelmed by soil/materials in one location along the perimeter of the yard. 5/10 – 5/17/07	Pull the material back into the yard and repair the compromised erosion controls. (This is not the side adjacent to resource areas). 5/17/07	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. 5/17/07	See erosion control section. 5/17/07	NA
Staging, Storage, and Parking Areas	A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 5/17/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 5/17/07	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located in the equipment trailers. 5/17/07	See erosion control section. 5/17/07	NA
Soils	Soils are exposed as part of the excavation for	Most areas are temporarily stabilized.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>trench, vault, and utility work. 5/17/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 5/17/07</p>	<p>5/17/07</p> <p>See erosion control section. 5/17/07</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Work has resumed at Vault #36. Soils remain exposed. 5/17/06</p> <p>The area near Vault #28 has been covered with a hard pack that is resistant to erosion. 3/6 – 5/17/07</p> <p>Two trees were removed near sta. #462 in accordance with the D&M Plan the week of 3/27/07. 5/17/07</p> <p>The trench formerly located between Broad and Main St. has been backfilled with a hard pack material on 4/13. The area appears to be stable. 4/13 – 5/17/07</p> <p>The area near Vault #49 has been covered with a hard pack that is resistant to erosion. The area appears to be stable but remains as a bare, exposed surface. 5/10-5/17/07</p> <p>A portion of the trench work along Pequot Ave has reached final vegetative cover, while a portion remains unvegetated but stable. 5/17/07</p>	<p>Stabilize/restore lawn area when appropriate. 5/17/07</p> <p>Continue to monitor and provide final stabilization if necessary. 5/17/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 5/17/07</p> <p>Permanently stabilize area with final restoration measures when feasible. 5/17/07</p> <p>Permanently stabilize remaining exposed area when feasible. 5/17/07</p> <p>Permanently stabilize soil as required by the D & M Plan as soon as feasible. 5/17/07</p>	<p>Needs attention when work is complete.</p> <p>NA.</p> <p>NA at this time.</p> <p>NA at this time.</p> <p>NA at this time.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Soil remains exposed but contained at vault #41. 5/17/07	Permanently stabilize soil as required by the D & M Plan as soon as feasible. 5/17/07	NA at this time.
Dewatering	Dewatering activities were observed at vault #36 during this week's inspection. 5/17/07	Discharge water appeared to be appropriately contained and/or filtered. 5/17/07	NA
Blasting	No blasting has been proposed. 5/17/07	None 5/17/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 5/17/07	Ensure that spill kits are also present with each vehicle during active construction 5/17/07	NA
	Fluid filled equipment in the King's Highway yard continue to be proactively stored on liners or similar containment. 5/17/07	Continue to monitor. Good proactive controls are being used even though leaks were not observed. 5/17/07	NA
Additional Observations	None 5/17/07	None 5/17/07	NA

Next likely scheduled inspection: Tuesday May 22, 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

Reviewer: Diana Walden, BSC Group



The portion of the road that was undermined by run-off has been repaired



Activities continue at the vault #37 location. Access to the construction area has been obtained through an entrance in the erosion controls. Recommend re-establishing controls or placing haybales at the close of each day to prevent sediment migration during heavy rain events.



Both photos were taken within the King's Highway lay-down yard. Left: Accumulated slurry remains adjacent to the disposal soil pile. Right: Material is still overwhelming the silt fence perimeter control within the yard. Pull the soil back and restore the controls. However, resource areas are not located adjacent to this area.