

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: March 22, 2007

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 1.35” of precipitation was reported since the previous inspection with 0.92” of the total recorded on 3/16. (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. 3/22/07	See erosion control section. 3/22/07	Not Applicable (NA)
	Ruts/ tracks were still observed along the shoulder of Railroad Ave. Flow fill from the trench cover materials is being unearthed by the traffic in one location. Stone is starting to be added to restore ruts in some locations. 1/31-3/22/07	NU will be applying graded crushed stone along the shoulder of Railroad Ave as cover where new trenching occurs. Past work areas will also be attended to when feasible. The soft topsoil should be removed prior to placing stone in these spots. 3/22/07	Stone will be used instead of loam in these locations. The new solution was approved by the city.
	Dried slurry/dust from saw cutting activities was visible along Rt. 1 in front of the Fairfield Inn. 3/22/07	Attend to slurry as it is generated to prevent tracking. Sweep the roadway as needed. 3/22/07	Needs attention
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between Rt. 1 and Bostwick Ave. 3/22/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/22/07	Catch basins are protected.(Proactively)
Fairfield	Trenching activities	See erosion and sediment	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #450, #521, and #553. 3/22/07	control section. 3/22/07	
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. Additional attention needed near sta.#450. 3/22/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 3/22/07	Catch basins were protected. (Proactively) Additional attention needed in some locations.
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were not observed this week. 3/22/07	Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 14-21 days, they should be stabilized. 3/22/07	Needs regular attention.
	Slurry from saw cutting activities has the potential to enter catch basins. 3/22/07	Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 3/22/07	NA
Fairfield	Work at vault #41 is largely complete. Silt fence installed around the remaining exposed soils is in disrepair. 3/06 – 3/22/07	Repair/maintain controls and continue to stabilize soil as feasible. 3/22/07	Needs attention when feasible.
	A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 3/22/07	Continue to monitor and maintain controls. 3/22/07	NA
	Erosion controls along Rt. 1 in front of the Fairfield Inn were previously degraded and have since been repaired. 3/22/07	Continue to monitor the controls and adjust as necessary. 3/22/07	Silt fence has been restored.
Bridgeport	Excessive tracking of sediment was noted on Railroad Ave. near its intersection with Myrtle Ave, however, tracking	Noted for the record since sediment does not appear to be related to the project. 3/15-3/22/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	<p>was not project related. 3/15-3/22/07</p> <p>The concrete wash-out basin materials have been removed from the site. 3/22/07</p> <p>Airborne dust migration was not noted within the Kings Highway lay-down yard at the time of inspection, but has been noted during past inspections. 3/22/07</p>	<p>None. 3/22/07</p> <p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 3/22/07</p>	<p>Concrete washout basin has been removed.</p> <p>Needs regular 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. 3/22/07	See erosion control section. 3/22/07	NA
Staging, Storage, and Parking Areas	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 3/22/07</p> <p>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. 3/22/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 3/22/07</p> <p>See erosion control section. 3/22/07</p>	<p>NA</p> <p>NA</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 3/22/07</p> <p>Soils in an area of trenching at Railroad Ave and Howard Ave had elevated levels of lead and were being stored in covered dumpsters on the</p>	<p>Most areas are temporarily stabilized. 3/22/07</p> <p>Dispose of these soils appropriately as soon as feasible, but they are contained for now. 3/1 – 3/22/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>side of the roadway for future disposal. 2/16-2/23/07 Dumpsters remain, but most soil has been disposed of. 3/1 - 3/22/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 3/22/07</p>	<p>See erosion control section. 3/22/07</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;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>Tire ruts remain in the shoulder of Railroad Ave., as a result of vehicle tracking (not related to the project). Rut repair with stone has begun in some areas. 3/22/07</p> <p>Work appears temporarily complete near at Vault #36. 3/22/06</p> <p>The area near Vault #28 has been covered with a hard pack that is resistant to erosion. Piles of aggregate were noted in this area during the inspection. 3/6 - 3/22/07</p> <p>Aggregate/crushed stone is being installed over the backfilled trench in various locations, including along Broad St. where ruts occur when non-project related vehicles pull off the road. 3/22/07</p>	<p>NU has determined the shoulder will be restored with dense graded crushed stone for stability. Loam would have to be removed prior to placing the material here. 3/22/07</p> <p>Stabilize/restore area when appropriate. 11/01-3/22/07</p> <p>Continue to monitor and provide final stabilization if necessary. 3/6 - 3/22/07</p> <p>Continue to use the aggregate cover only in the lower lying shoulder areas that are more prone to tracking. Areas with aggregate placement up to this point were confirmed to have heavy traffic. Higher areas could be restored to grass or original conditions. 3/22/07</p>	<p>NA</p> <p>Needs attention when work is complete.</p> <p>A hard pack cover is in place.</p> <p>Stone is being applied in appropriate locations.</p>

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Dewatering	Dewatering activities were not observed during this week's inspection. 3/22/07	Continue to appropriately contain or filter 3/22/07	NA
Blasting	No blasting has been proposed. 3/22/07	None 3/22/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 3/22/07  A concrete washout was observed in an uncontained location, immediately adjacent to the railroad on Railroad Ave. between Rt. 1 and Bostwick Ave. 3/15-3/22/07	Ensure that spill kits are also present with each vehicle during active construction 3/22/07  Remove and properly dispose of concrete. Concrete washouts should only be released in an approved, contained location. 3/15-3/22/07	NA  Needs attention
Additional Observations	A sink hole was being repaired near sta. #665. 3/22/07	None 3/22/07	NA

Next likely scheduled inspection: Tuesday March 27, 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: Gregory Sommer, BSC Group

Reviewer: Diana Walden, BSC Group



View of trenching activities within Railroad Ave. between Rt. 1 and Bostwick Ave.



Concrete washout basin materials have been removed from the Kings Highway lay-down yard (off Kings Highway, near Rt. 1 rotary). Materials are contained within the yard.