

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 27, 2007 (evening inspection)

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 0.27" of precipitation was reported since the previous inspection with 0.18" of the total recorded on 3/25. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<p>All work is within or adjacent to existing paved roadways at this time. 3/27/07</p> <p>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. 1/31-3/27/07</p> <p>The dried slurry/dust noted last week along Rt. 1 in front of the Fairfield Inn has been swept. 3/27/07</p>	<p>See erosion control section. 3/27/07</p> <p>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. 3/27/07</p> <p>Continue to attend to slurry as it is generated to prevent tracking. Sweep the roadway as needed. 3/27/07</p>	<p>Not Applicable (NA)</p> <p>Stone will be used instead of loam in these locations. The new solution was approved by the city.</p> <p>Slurry/dust was swept.</p>
Vault Openings and Trench Construction Bridgeport	<p>Trenching activities continue on Railroad Ave. between sta. #720 to 723 (between Rt. 1 and Bostwick Ave.) and sta. #810 to 813 (between Broad St. and Main St.). 3/27/07</p>	<p>Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/27/07</p>	<p>Catch basins are protected.(Proactively)</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	Excavation work was occurring at and at vault #43. 3/27/07	None. See dewatering section. 3/27/07	NA
	Trenching activities continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #450, #462 to #467, #520 to #521, #551 to 554, and #606 to 607. 3/27/07	Continue to monitor and be proactive. See erosion and sediment control section. 3/27/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 3/27/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 3/27/07	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. 3/27/07	Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 1 month, they should be temporarily stabilized within 7 days of the last activity. 3/27/07	Needs regular attention.
	Slurry from saw cutting activities has the potential to enter catch basins. 3/27/07	Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 3/27/07	NA
	Fairfield Work at vault #41 is largely complete. Silt fence installed around the remaining exposed soils is in disrepair. 3/06 – 3/27/07	Repair/maintain controls and continue to stabilize soil as feasible. 3/27/07	Needs attention when feasible.
Bridgeport	A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 3/27/07	Continue to monitor and maintain controls. 3/27/07	NA
	Excessive tracking of sediment was noted on Railroad Ave. near its	Noted for the record since sediment does not appear to be related to	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	intersection with Myrtle Ave, however, tracking was not project related. 3/15-3/27/07	the project. 3/15-3/27/07	
	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. 3/27/07	Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 3/27/07	Needs regular attention.
	Additional stone was placed throughout the yard to stabilize muddy areas. 3/27/07	Continue to attend to the yard in order to prevent tracking to the roadways. 3/27/07	Stone was added to provide additional stabilization. (proactively)
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. 3/27/07	See erosion control section. 3/27/07	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. 3/27/07	Ensure that spill kits are also present with each vehicle during active construction. See Spills and Material Storage section for more detail. 3/27/07	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. 3/27/07	See Erosion Control section and Spills and Material Storage section for more detail. 3/27/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 3/27/07	Most areas are temporarily stabilized. 3/27/07	NA
	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 side of the roadway for	Remove dumpsters as soon as feasible. 3/1 – 3/27/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>future disposal. 2/16-2/23/07 Dumpsters remain, but most soil has been disposed of. 3/1 - 3/27/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 3/27/07</p>	See erosion control section. 3/27/07	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) and stabilization	<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. 3/27/07</p> <p>Work appears temporarily complete at Vault #36. 3/27/06</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 - 3/27/07</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. 3/22-3/27/07</p> <p>Two trees were removed near sta. #462 to accommodate trench-work, in accordance with</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. 3/27/07</p> <p>Stabilize/restore area when appropriate. 11/01-3/27/07</p> <p>Continue to monitor and provide final stabilization if necessary. 3/6 - 3/27/07</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. 3/22-3/27/07</p> <p>Vegetation should be restored as necessary upon completion of work in this area. 3/27/07</p>	<p>NA</p> <p>Needs attention when work is complete.</p> <p>NA.</p> <p>Stone is being applied in appropriate locations.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the D&M Plan. 3/27/07		
Dewatering	Dewatering activities were observed during this week's inspection at vault #43. Three vac trucks were necessary to keep up with the water. 3/27/07	Continue to appropriately contain or filter water from the excavations. 3/27/07	Vac trucks were being used appropriately.
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 3/27/07	Ensure that spill kits are also present with each vehicle during active construction 3/27/07	NA
	A concrete washout was observed in an uncontained location, immediately adjacent to the railroad on Railroad Ave. between Rt. 1 and Bostwick Ave. 3/15-3/27/07	Remove and properly dispose of concrete. Concrete washouts should only be released in an approved, contained location. 3/15-3/27/07	Needs attention
	Fluid-filled equipment was not contained to a liner, within the Bostwick Ave. yard and has the potential to leak. 3/27/07	Store fluid filled equipment within a lined containment area, or place an absorbent pad under the equipment for short-term storage. 3/27/07	Needs proactive attention
	An additional containment area was constructed for fluid filled equipment in the King's Highway yard. 3/27/07	Continue to use and monitor the storage area. 3/27/07	A containment area has been provided for equipment.
Additional Observations	None 3/27/07	None 3/27/07	NA

Next likely scheduled inspection:

Tuesday April 3, 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



Trenching activities from sta. #810 to 813, between Broad St and Main St.



Three empty storage containers remain along Railroad Ave. near its intersection with Howard Ave.



One piece of fluid filled equipment located within the Bostwick Ave. lay-down yard (in Bridgeport), was not contained. It should be placed on a liner or similar in case of leaks.



Stone has been added in areas of heavy mud throughout the King's Highway contractor yard, in order to reduce tracking.



An additional containment area for fluid-filled equipment has been constructed within the King's Highway lay-down yard.



View of excavation activities for Vault #43. Three vac trucks were needed to dewater the work area.



Both photo are of trenching activities from sta. #457 to 462 along Rt 1 in Fairfield. Two trees were removed to accommodate the required trench work. This vegetation removal was conducted in accordance with the D&M plan.