

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: April 13, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 1.91" of precipitation was reported since the previous inspection with 1.08" of the total recorded on 4/12. (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. 4/13/07 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. However, stone is starting to be added to restore ruts. 4/13/07	See erosion control section. 4/13/07 NU is applying graded crushed stone along the shoulder of Railroad Ave as cover where trenching occurred. The soft topsoil should be removed prior to placing stone in these spots 4/13/07	Not Applicable (NA) Stone in now being placed in these locations.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between sta. #720 to #726. 4/13/07 Construction work is complete at vault #43. 4/13/07	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 4/13/07 None. 4/13/07	Catch basins are protected (proactively) NA
Fairfield	Trenching activities continue on Rt. 1 near its intersection with Pequot Ave., and at sta. #459 to #462, #521 to #522,	Continue to monitor and be proactive. See erosion and sediment control section. 4/13/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	#546 to #552, and #608 to #609. 4/13/07 Vault #32 preparation activities were being conducted. This included removing bituminous concrete for excavation. 4/13/07	None. 4/13/07	NA
Erosion and Sediment Controls All active areas	Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 4/13/07 Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Problems with dust were not observed this week. 4/13/07	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 4/13/07 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. 4/13/07	Catch basins were protected. (Proactively) Needs regular attention.
Fairfield	Slurry from saw cutting activities has the potential to enter catch basins. 4/13/07 Work at vault #41 is largely complete. Silt fence installed around the remaining exposed soils had been repaired, but still needs attention in one location. 4/13/07	Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 4/13/07 Repair/maintain controls and continue to stabilize soil as feasible. 4/13/07	NA Silt fence was repaired but one spot still needs attention when feasible.
Bridgeport	A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 4/13/07 Non-project related sediment tracking was noted on Railroad Ave. near its intersection with	Continue to monitor and maintain controls. 4/13/07 Noted for the record since sediment does not appear to be related to the project. 4/13/07	NA NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	Myrtle Ave between 3/15-4/3/07 However, no tracking was noted at the time of this inspection. 4/13/07		
	<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. 4/13/07</p> <p>A portion of the silt fence located between the yard and the concrete lined waterway was compromised by construction materials piled too closely. 4/13/07</p>	<p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 4/13/07</p> <p>Re-establish any compromised controls and continue to place materials where they will not stress the silt fence. 4/13/07</p>	<p>Needs regular attention.</p> <p>Needs 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. 4/13/07	See erosion control section. 4/13/07	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. 4/13/07	Ensure that spill kits are also present with each vehicle during active construction, see Spills and Material Storage section for more detail. 4/13/07	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. 4/13/07	See erosion control section. 4/13/07	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 4/13/07	Most areas are temporarily stabilized. 4/13/07	NA
	Soils in an area of	Remove dumpsters as	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>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 future disposal. 2/16-2/23/07 Dumpsters remain, but most soil has been disposed of. 3/1 – 4/13/07</p> <p>A small stockpile off Rt. 1/ Pequot Ave. is contained and stable. 4/13/07</p>	<p>soon as feasible. 3/1 – 4/13/07</p> <p>See erosion control section. 4/13/07</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>Tire ruts in the shoulder of Railroad Ave., as a result of vehicle tracking (not related to the project) were being repaired with stone. 4/13/07</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. 4/13/07</p> <p>Work appears temporarily complete at Vault #36. 4/13/06</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 – 4/13/07</p> <p>Two trees were removed</p>	<p>NU has determined the shoulder will be restored with dense graded crushed stone for stability. 4/13/07</p> <p>Continue to use the aggregate cover only in the lower lying shoulder areas that are more prone to heavy traffic and tracking. Higher areas could be restored to grass or original conditions. 4/13/07</p> <p>Stabilize/restore area when appropriate. 11/01-4/13/07</p> <p>Continue to monitor and provide final stabilization if necessary. 3/6 – 4/13/07</p> <p>Vegetation should be</p>	<p>Ruts were being repaired.</p> <p>NA at this time.</p> <p>Needs attention when work is complete.</p> <p>NA.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>near sta. #462 in accordance with the D&M Plan. 4/13/07</p> <p>The trench formerly located between Broad and Main St. has been backfilled with a hard pack material. The area appears to be stable. 4/13/07</p>	<p>restored as necessary upon completion of work in this area. 4/13/07</p> <p>Permanently restore area when feasible. 4/13/07</p>	NA at this time.
Dewatering	Dewatering activities were not observed during this week's inspection. 4/13/07	Continue to appropriately contain or filter 4/13/07	NA
Blasting	No blasting has been proposed. 4/13/07	None 4/13/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 4/13/07</p> <p>A concrete washout was observed in an uncontained location, immediately adjacent to the railroad on Railroad Ave. between Rt. 1 and Bostwick Ave. 3/15-4/3/07 The concrete washout has been removed. 4/13/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 4/13/07</p> <p>Continue to washout concrete only in an approved, contained location. 4/13/07</p>	<p>NA</p> <p>The material has been removed.</p>
Additional Observations	None 4/13/07	None 4/13/07	NA

Next likely scheduled inspection: Thursday April 19, 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



Photo of former location of trenching activities between sta. #810 to #812. A hard pack material was used to aid in stabilizing the area. Final restoration measures are recommended when appropriate.



Preparation work being conducted for vault #32 construction activities.



Materials within the King's Highway lay-down yard were piled against the controls, compromising them. The fence should be re-established. Continue to store materials in a way that does not strain the controls.



Silt fence was re-established at vault #41, but has slumped in one location. Repair when feasible.