

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 1, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 0.42” of precipitation was reported since the previous inspection with 0.31” of the total recorded on 2/26. (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. 3/1/07	See erosion control section.	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. 1/31-3/1/07	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. 2/23-3/1/07	Stone will be used instead of loam in these locations. The new solution was approved by the city.
	Sediment tracking was noted on both Main and Broad Sts. as a result of trench work here. 3/1/07	Provide street sweeping on a regular basis in these and all active areas. 3/1/07	Needs regular attention.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue: on Railroad Ave. between Rt. 1 and Bostwick Ave.; near the intersection of Railroad Ave. and Bostwick Ave.; at the intersection of Railroad Ave. and Howard Ave.; on Broad	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/01/07	Catch basins are protected.(Proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>Street; on Main St.; and in the portion of land between Broad St. and Main St. 3/01/07</p> <p>Trenching activities continue on Rt. 1 near its intersection with Pequot Ave. A portion of the trench has been backfilled. 3/1/07</p> <p>Utility work is being conducted adjacent to Vault #28. 3/1/07</p>	<p>See erosion and sediment control section. 3/1/07</p> <p>None. 3/1/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls All active areas</p> <p>Fairfield</p>	<p>Filter fabric or filter socks are installed in catch basins adjacent to the construction activities. 3/1/07</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 but some sediment tracking was noted. 3/1/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. 3/1/07</p> <p>Work at vault #41 is largely complete. Silt fence remains in place around any remaining exposed soils. 3/1/07</p> <p>A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence. It remains stable. 2/23-3/1/07</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. 3/1/07</p> <p>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. 3/1/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 3/1/07</p> <p>Continue to stabilize soil as feasible but the area is contained. 3/1/07</p> <p>Continue to monitor and maintain any controls in disrepair. 2/23-3/1/07</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention.</p> <p>NA</p> <p>NA</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>The majority of the concrete wash-out basin materials have been removed from the site. One small pile of sediment remains. 2/1-3/1/07</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. 3/01/07</p> <p>Perimeter controls have been re-established/refreshed proactively where necessary. 3/1/07</p>	<p>Continue removing any materials that are no longer necessary in this area. Contractor states that washout containment will not be necessary at this time. 2/1-3/1/07</p> <p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 3/01/07</p> <p>Continue to monitor and maintain perimeter controls to protect nearby resource areas. 3/1/07</p>	<p>Needs attention when feasible.</p> <p>Needs regular attention.</p> <p>Controls were re-established proactively.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 3/1/07</p>	<p>See erosion control section. 3/1/07</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 3/1/07</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. 3/1/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 3/1/07</p> <p>See erosion control section. 3/1/07</p>	<p>NA</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 3/1/07</p>	<p>Most areas are temporarily stabilized. 3/1/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<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 side of the roadway for future disposal. 2/16-2/23/07 Dumpsters remain, but soil in many has been disposed of. 3/1/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 3/1/07</p>	<p>Dispose of these soils appropriately as soon as feasible but are contained for now. 3/1/07</p> <p>See erosion control section. 3/1/07</p>	<p>NA</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) and stabilization</p>	<p>Tire ruts remain in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 3/1/07</p> <p>Aggregate/crushed stone is being installed over the backfilled trench in Broad St. along the bermed area at the shoulder and sidewalk. 3/1/07</p> <p>Work appears temporarily complete near at Vault #36. 3/1/06</p> <p>The area near Vault #28 remains covered with a hard pack that is resistant to erosion. 3/1/07</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. 2/23-3/1/07</p> <p>Unless part of the agreement with the city, consider using the aggregate cover only in the lower lying shoulder areas that are more prone to tracking. Higher areas could be restored to grass or original conditions. 3/1/07</p> <p>Stabilize/restore area when appropriate. 11/01-3/1/07</p> <p>Continue to monitor and provide final stabilization if necessary. 3/1/07</p>	<p>NA</p> <p>Needs evaluation</p> <p>Needs attention when work is complete.</p> <p>No erosion noted</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering activities were not observed during this week's inspection. 3/1/07	Continue to appropriately contain or filter water prior to release. 3/1/07	NA
Blasting	No blasting has been proposed. 3/1/07	None 3/1/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 3/1/07	Ensure that spill kits are also present with each vehicle during active construction. 3/1/07	NA
Additional Observations	None. 3/1/07	None. 3/1/07	NA

Next likely scheduled inspection: **Tuesday March 6, 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 Inspector: *Katie Bednaz, BSC Group*

Reviewer: *Diana Walden, BSC Group*



Utility work being conducted adjacent to Vault #28. Continue to sweep pavement as necessary.



Perimeter erosion controls have been re-established proactively in the King Highway lay-down yard.



Trenching activities being conducted on Railroad Ave. between Rt. 1 and Bostwick Ave.



The roadway shoulder on Broad St. is being restored with aggregate as the trench is backfilled. The decision was made to use aggregate to prevent rutting along the roadway after this issue was noted along Railroad Ave.



Trenching activities between Broad and Main Sts. Some sediment tracking was noted on Broad St.; Street sweeping should be performed.



View of trenching activities on Main St. Sediment tracking was noted along the roadway; Street sweeping should be performed.