

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 6, 2007

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Total of 3.59” of precipitation was reported since the previous inspection with the entire total recorded in a single day on 3/2. (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. 3/6/07	See erosion control section. 3/6/07	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. 1/31-3/6/07	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. 2/23-3/6/07	Stone will be used instead of loam in these locations. The new solution was approved by the city.
	The sediment tracking noted on both Main and Broad Sts. last week was not as apparent. 3/6/07	Continue to provide street sweeping on a regular basis in these and all active areas. 3/6/07	Roadway work areas appeared to have been swept.
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.; on Broad Street; on Main St.; and in the portion of	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/6/07	Catch basins are protected.(Proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>land between Broad St. and Main St. 3/6/07</p> <p>Trenching appears complete at the intersection of Railroad and Howard Aves and the area was restored. 3/6/07</p> <p>Trenching activities continue on Rt. 1 near its intersection with Pequot Ave. 3/6/07</p>	<p>None. 3/6/07</p> <p>See erosion and sediment control section. 3/6/07</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. 3/6/07</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. 3/6/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. 3/6/07</p> <p>Work at vault #41 is largely complete. The perimeter silt fence installed around the exposed soils is in disrepair. 3/6/07</p> <p>A soil stockpile along Pequot Ave. is partially covered with plastic and has adjacent silt fence but some portions of the fence are in disrepair. 3/6/07</p> <p>Portions of the erosion</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. 3/6/07</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. 3/6/07</p> <p>Prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated during cutting. 3/6/07</p> <p>Repair/maintain controls and continue to stabilize soil as feasible. 3/6/07</p> <p>Repair/maintain controls and continue to monitor. 3/6/07</p> <p>Repair/maintain controls</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention.</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>Needs attention when feasible.</p> <p>Needs attention when</p>

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<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>controls along Rt. 1 in front of the Fairfield Inn are in disrepair. 3/6/07</p> <p>The majority of the concrete wash-out basin materials have been removed from the site. One small pile of sediment remains. 2/1-3/6/07</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. 3/6/07</p> <p>A stockpile of materials (wooden pallets) have been placed on/against the perimeter controls, compromising the silt fence. 3/6/07</p>	<p>and continue to stabilize soil as feasible. 3/6/07</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. 2/1-3/6/07</p> <p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 3/6/07</p> <p>Repair/maintain controls and continue to monitor to protect nearby resource areas. 3/6/07</p>	<p>feasible.</p> <p>Needs attention when feasible.</p> <p>Needs regular attention.</p> <p>Needs attention.</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. 3/6/07</p>	<p>See erosion control section. 3/6/07</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. 3/6/07</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. 3/6/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 3/6/07</p> <p>See erosion control section. 3/6/07</p>	<p>NA</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for</p>	<p>Most areas are temporarily stabilized</p>	<p>NA</p>

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	<p>of the excavation for trench, vault, and utility work. 3/6/07</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 side of the roadway for future disposal. 2/16-2/23/07 Dumpsters remain, but soil in many has been disposed of. 3/01 - 3/6/07</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 3/6/07</p>	<p>temporarily stabilized. 3/6/07</p> <p>Dispose of these soils appropriately as soon as feasible but are contained for now. 3/1 - 3/6/07</p> <p>See erosion control section. 3/6/07</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) or stabilization</p>	<p>Tire ruts remain in the shoulder of Railroad Ave. as a result of vehicle tracking (not related to the project). 3/6/07</p> <p>Work appears temporarily complete near at Vault #36. 3/6/06</p> <p>The area near Vault #28 remains covered with a hard pack that is resistant to erosion. Piles of aggregate were noted in this area during the inspection. 3/6/07</p> <p>Aggregate/crushed stone is being installed over the backfilled trench in various locations,</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. 3/6/07</p> <p>Stabilize/restore area when appropriate. 11/01-3/6/07</p> <p>Continue to monitor and provide final stabilization if necessary. 3/6/07</p> <p>Unless part of the agreement with the city, consider using the aggregate cover only in</p>	<p>NA</p> <p>Needs attention when work is complete.</p> <p>A hard pack cover is in place.</p> <p>Needs evaluation</p>

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	including along bermed areas. 3/6/07	the lower lying shoulder areas that are more prone to tracking. Higher areas could be restored to grass or original conditions. 3/6/07	
Dewatering	Dewatering activities were not observed during this week's inspection. 3/6/07	Continue to appropriately contain or filter 3/6/07	NA
Blasting	No blasting has been proposed. 3/6/07	None. 3/6/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 3/6/07	Ensure that spill kits are also present with each vehicle during active construction. 3/6/07	NA
Additional Observations	None. 3/6/07	None. 3/6/07	NA

Next likely scheduled inspection: Tuesday March 15, 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



Photo of Vault #28 location. Aggregate piles have been placed over the hard pack soil. Evaluate whether these areas are prone to tracking and require aggregate, or should be restored to more original conditions.



Sections of the perimeter controls along Pequot Ave. are in disrepair and should be maintained.



Material stockpile within the Kings Highway lay-down yard has compromised erosion controls. Pull materials back and restore the silt fence.



Perimeter controls at Vault #41 are degraded and should be maintained when feasible.



Trenching location on Railroad Ave. between Rt. 1 and Bostwick Ave.



Trenching activities are complete at the intersection of Railroad Ave. and Howard Ave. The area has been restored.



View of trenching activities on Main St. Sediment tracking was reduced this week. Continue to sweep the roadway regularly.