

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: May 29, 2008

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.32" of precipitation was reported since the previous inspection, with 0.33" recorded on 5/22 and 0.99" recorded on 5/27 (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. 5/29/08	See erosion control section for details on sediment tracking. 5/29/08	Not Applicable (NA)
Vault Openings and Trench Construction	Construction activities and/or steel road plates were observed at the time of the inspection near sta. #442-443 (Sasco Creek bridge crossing), #462-464, #519-520, #630-631, #714, #716-717, & #719-720. 5/29/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 5/29/08	Needs regular attention.
Erosion and Sediment Controls All active areas	Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls for the duration of the project and clean basins as necessary. 5/29/08 Slurry from saw cutting activities has the potential to enter catch basins. 5/29/08	Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. 5/29/08 Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated	Needs regular attention. Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/29/08</p> <p>Temporary pavement and bituminous and/or crushed stone curbing remains near sta. # 462-464 and #502-503. 5/29/08</p> <p>Dewatering from the area near #462-464 appears to have clogged filters and overflowed into the street. A small amount of turbid water was entering an unprotected catch basin. 5/29/08</p>	<p>during cutting. 5/29/08</p> <p>Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 21 days, they should be stabilized within 7 days of the last activity. 5/29/08</p> <p>Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 5/29/08</p> <p>Address the problem and consider proactive controls in catch basins near future dewatering activities. 5/29/08</p>	<p>NA</p> <p>NA at this time.</p> <p>Needs attention.</p>
Bridgeport	<p>The work area near the intersection of Railroad Ave and Fairfield Ave (sta #719-720) has been backfilled with process material. Cones were placed to prevent vehicle from pulling off road and creating ruts (since 5/8) 5/29/08</p> <p>Some ruts were observed along the shoulder of Railroad Ave between Hancock Ave. and Howard Ave. (sta #737) likely due to regular traffic, not construction vehicles. This area remains backfilled with hard-pack but may need to be refreshed. 2/7-5/29/08</p>	<p>Continue to monitor and provide final cover/restoration when feasible. 5/29/08</p> <p>Refresh/add gravel or hard-pack along the shoulders of the roadway in this area to reduce the potential for rutting and tracking. Continue to monitor so crews can address specific problem areas as they arise. 1/31- 5/29/08</p>	<p>Temporary barriers were placed in efforts to prevent ruts here</p> <p>Needs attention. Continue to monitor.</p> <p><i>The city of Bridgeport is concerned about the condition here and crews were being requested to evaluate this area..</i></p>
Kings Highway Lay-down Yard (Off Kings	<p>Perimeter controls remain in place, some sections of</p>	<p>Continue to monitor and</p>	<p>Needs attention.</p>

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<p>Highway, near Rt. 1 rotary)</p>	<p>silt fence that had needed repair since 3/20 had been maintained. However, a small stockpile has been dumped on top of the silt fence in one area near the NW corner of the yard. 5/22-5/29/08</p> <p>Crushed stone has been spread in several areas throughout the yard to reduce tracking. However, sediment tracking was still a minor issue. 5/29/08</p> <p>Spilled slurry material was observed under a vac truck near the west side of the yard. 5/29/08</p>	<p>maintain controls as necessary. Remove the stockpiled material from the perimeter control and repair. 5/22-5/29/08</p> <p>Maintain crushed stone throughout the yard to reduce the potential for tracking, dust migration, and limit the amount of material piled near controls. 5/29/08</p> <p>Remove or stabilize spilled slurry material. 5/29/08</p>	<p>Crushed stone was added but still 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. 5/29/08</p>	<p>See Erosion and Sediment Controls section. 5/29/08</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located near the equipment trailers. Debris material and old railroad ties, which have been stored within the yard, are being sorted and processed for disposal (since 4/3). 5/29/08</p>	<p>See Erosion Control and Spills and Material Storage sections. 5/29/08</p>	<p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 5/29/08</p> <p>An area of exposed soil remains near sta. #596 (vault #36) near the new sidewalk and parking lot. 3/13-5/29/08</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 5/29/08</p> <p>Re-grade and appropriately restore the area. 3/13-5/29/08</p>	<p>NA</p> <p>Needs attention.</p>

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	<p>An area of exposed soil is adjacent to the work zone near sta. #649-650. Sediment tracking was not observed this week. A temporary sidewalk is in place. 5/29/08</p>	<p>Work is complete in this area. Stabilize and seed the area when feasible. 5/29/08</p>	<p>Needs attention when feasible Continue to monitor.</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. 5/29/08</p>	<p>None. 5/29/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Two trees were removed near sta. #462 in accordance with the D&M Plan (3/27/07). One tree was removed near vault #42 (7/25/07). 5/29/08</p> <p>A stonewall, fence, and shrubs had been removed from the work area at sta #503 per the D&M plan. The stonewall has been rebuilt and new plants installed. 5/29/08</p>	<p>Vegetation should be restored as necessary upon completion of work in these areas. 5/29/08</p> <p>None at this time. 5/29/08</p>	<p>NA</p> <p>Area has been restored and planted.</p>
<p>Dewatering</p>	<p>Dewatering was observed during this week's inspection at sta. #463. Filters appear to have clogged and an overflow occurred to the street. A small amount of turbid water entered the catch basin. 5/29/08</p>	<p>Continue to properly contain and/or filter discharge water when dewatering is required. Consider proactive controls in adjacent catch basins when dewatering is scheduled. 5/29/08</p>	<p>Continue to address this area.</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yards. 5/29/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 5/29/08</p>	<p>NA</p>
<p>Additional Observations</p>	<p>Sidewalk has been restored near sta. #481. 5/29/08</p>	<p>None. 5/29/08</p>	<p>NA</p>

**Next likely scheduled
inspection:**

Friday June 6, 2008

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: *Gregory Sommer, BSC Group*

Reviewer: *Diana Walden, BSC Group*



Crews were dewatering near sta. #462-464 in preparation for trenching work to realign the conduit. During dewatering activities, the filters appear to have clogged and an overflow occurred. A small amount of turbid runoff was flowing along the curbline and into the downstream catch basin.



Spilled slurry material was observed underneath a vac truck in the Kings Highway lay-down yard.