

**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:** January 18, 2008

**Inspector:** Margaret Washburn

**Location:** Westport Avenue to the Norwalk Substation in the City of Norwalk

**Rain Event:** 1.08.” of precipitation was reported since the previous inspection, with 0.77” of the total recorded on 1/11 (Bridgeport, CT NOAA data).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<p>All work is within or adjacent to existing paved roadways at this time. 1/18/08</p> <p>Sediment tracking was noted on the roadway as crews were setting vault 29 near sta # 490. 1/18/08</p>	<p>See erosion control section for other details on sediment tracking. 1/18/08</p> <p>Sweep all sediment back into the trench or remove at the end of the workday. 1/18/08</p>	<p>Not Applicable (NA)</p> <p>Needs attention.</p>
<b>Vault Openings and Trench Construction</b>	<p>Active work or steel road plates were observed at the time of the inspection near sta. #462-464, #489-492 (vault 29), #503-504, vault 34, and #791-792. Active work zones near sta. #649-650, #695, and near vaults #46 and 47 were secured. 1/18/08</p>	<p>Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. See erosion control section. 1/18/08</p>	<p>Needs regular attention.</p>
<b>Erosion and Sediment Controls All active areas</b>	<p>Controls had to be removed from catch basins on Rt 1 per request of ConnDOT to improve drainage during winter conditions. 1/18/08</p>	<p>Since controls are not allowed in the catch basins on this roadway, attend to all sediment at the source and stabilize exposed soils as quickly as possible. 1/18/08</p>	<p>Needs regular attention.</p>

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Fairfield	<p>On non-state routes, filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 1/18/08</p>	<p>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 1/18/08</p>	<p>Most catch basins were protected. (proactively)</p>
	<p>Slurry from saw cutting activities has the potential to enter catch basins. Slurry was observed on the roadway at sta # 462-464. Rutting and sediment tracking were also observed in this area. 1/18/08</p>	<p>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. Remove the slurry from this area before it can reach a catch basin and sweep the roadway before the end of the work day. 1/18/08</p>	<p>Needs attention at sta # 462-464.</p>
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 1/18/08</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. 1/18/08</p>	<p>NA</p>
	<p>Minor ruts in the area near vault #37 (Fairfield Inn) remain stabilized with hay mulch. 1/18/08</p>	<p>The remainder of the area is stable. Continue to monitor for further issues. 1/18/08</p>	<p>NA at this time.</p>
Bridgeport	<p>At sta. #503-504, soils remain exposed for active work but have the potential for run-off to the roadway. Silt fence around a soil stockpile has partially collapsed. 1/18/08</p>	<p>Ensure soils are contained to the work area and repair the silt fence at the stockpile. See soils section for more details. 1/18/08</p>	<p>Needs attention.</p>
	<p>An area of exposed soil is adjacent to the work zone near sta. #649-650. Tracking was not observed this week but remains a potential issue. A temporary sidewalk was installed. 1/18/08</p> <p>Minor tracking continues from off-road/shoulder</p>	<p>Continue to contain work area and avoid traveling through the exposed soils. Stabilize sufficiently for winter months as soon as active work is complete. 1/18/08</p> <p>Continue to sweep roadway where needed.</p>	<p>Needs attention when active work is complete.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</b></p>	<p>areas along Railroad Ave Contractors continue to place compacted gravel to address the issue. 1/18/08</p> <p>The shoulder of the roadway near sta. #801-803 (vault #49) has been temporarily stabilized with crushed stone. 1/18/08</p> <p>Perimeter controls remain in place. Minor sediment tracking was observed near the entrance to the yard. Stone previously spread throughout the yard has been plowed into piles adjacent to the perimeter controls during snow removal activities. 12/31-1/18/08</p>	<p>Continue to monitor so crews can address specific problem areas as they arise. 1/18/08</p> <p>Sweep roadway when needed. Continue to monitor area. 1/18/08</p> <p>Continue to monitor and maintain controls and sweep the roadway as necessary. Spread the crushed stone throughout the yard to reduce the potential for tracking and to limit the amount of material piled near controls. 12/31-1/18/08</p>	<p>Crushed stone has been used to stabilize exposed soils.</p> <p>Needs attention when feasible.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 1/18/08</p>	<p>See erosion control section. 1/18/08</p>	<p>NA</p>
<p><b>Staging, Storage, and Parking Areas</b></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. 1/18/08</p>	<p>See Erosion Control and Spills and Material Storage sections. 1/18/08</p>	<p>NA</p>
<p><b>Soils</b></p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 1/18/08</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 1/18/08</p> <p>At sta. #503-504, crews have removed a portion of a stone wall (as per the D&amp;M) and has stockpiled the stones. Silt fence</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 1/18/08</p> <p>Continue to monitor and maintain controls as necessary. 1/18/08</p> <p>Repair the silt fence around the soil stockpile. Temporarily stabilized exposed soil when active work is complete. Ensure</p>	<p>NA</p> <p>NA</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>around a soil stockpile has partially collapsed. 1/18/08</p> <p>An area of exposed soil remains near #695. Contractors plan to pave the area in the spring. No tracking or issues were noted. 1/18/08</p> <p>Soils near sta. #801-803 (vault #49) have been fully stabilized (temporarily) with crushed stone. 1/18/08</p>	<p>the area is contained. 1/18/08</p> <p>Continue to monitor. Provide temporary or final stabilization within the approved timelines. 1/18/08</p> <p>Continue to monitor the area. 1/18/08</p>	<p>Needs attention within timelines.</p> <p>Crushed stone has been used to stabilize exposed soils.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area. 1/18/08</p>	<p>None.</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Sidewalk has been recently installed near sta. #596-598. Topsoil has been spread in some areas but remains exposed. 11/21/07-1/18/08</p> <p>Some portions of the trench work along Pequot Ave. remain un-vegetated but stable. 1/18/08</p> <p>Two trees were removed near sta. #462 in accordance with the D&amp;M Plan (3/27/07). One tree was removed near vault #42 (7/25/07). 1/18/08</p> <p>A stone wall, a fence and some shrubs had been removed from the work area at sta #503 per the D&amp;M plan. Stones from the wall were stockpiled in the homeowner's yard. 1/18/08</p>	<p>Stabilize exposed soils sufficiently for winter months within the appropriate timelines. Area has passed 21 days but now has snow cover. 1/18/08</p> <p>Permanently stabilize remaining exposed areas when feasible. 1/18/08</p> <p>Vegetation should be restored as necessary upon completion of work in these areas. 1/18/08</p> <p>When work is complete, the stone wall will be restored per the D&amp;M plan. 1/18/08</p>	<p>Needs to be monitored and needs attention when thaw occurs.</p> <p>NA</p> <p>NA</p> <p>NA at this time.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Dewatering</b>	<b>Appropriate dewatering activities, discharging from a containment tank into a municipal sewer were observed at the time of the inspection at sta. #462-464. However, some sediment tracking and slurry from the work area were still observed on the roadway. 1/18/08</b>	<b>Continue to properly contain and/or filter discharge water when dewatering is required. Avoid contact between clean dewatering discharge and exposed soil in order to prevent unnecessary turbidity. See erosion control section. 1/18/08</b>	<b>Needs regular attention.</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits were observed in the storage yards. 1/18/08</b>  <b>The debris was removed near the entrance to the Kings Highway laydown yard. 1/18/08</b>	<b>Ensure that spill kits are also present with each vehicle during active construction 1/18/08</b>  <b>Continue to monitor: 12/5/07-1/18/08</b>	<b>NA</b>  <b>Debris was cleaned up.</b>
<b>Additional Observations</b>	<b>None. 1/18/08</b>	<b>None.1/18/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Thursday, January 24, 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:** Margaret Washburn, BSC Group

**Reviewer:** Diana Walden, BSC Group



**At the Kings Highway laydown yard, crushed stone has been used to temporarily stabilized the entrance but minor sediment tracking was observed on the roadway. The debris has also been removed from around the silt fence at the entrance.**



**At stations #503-504, a portion of a stone wall has been removed. The stones have been placed in the adjacent homeowner's back yard until the work is complete. The silt fence surrounding a soil stockpile next to the roadway has collapsed.**



**Near station #490, a crane was setting vault 29 into place on Pequot Avenue. Steel plates and sediment tracking were observed in the roadway here. Sweep all sediment before the end of the work day.**



**At stations #462-464, trenches were being filled. Ruts and sediment tracking need attention here. There was slurry being spilled on the ground during the inspection. Sweep the roadway at the end of the workday and attend to the slurry.**