

**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:** February 7, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.28" of precipitation was reported since the previous inspection, all of which was recorded on 2/2 (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>	<b>All work is within or adjacent to existing paved roadways at this time. 2/7/08</b>	<b>See erosion control section for details on sediment tracking. 2/7/08</b>	<b>Not Applicable (NA)</b>
<b>Vault Openings and Trench Construction</b>	<b>Trenching activities and/or steel road plates were observed at the time of the inspection near sta. #461, #482-485, #493-496, #502-503, #551, #564-565, #649-650, &amp; #800-801. 2/7/08</b>	<b>Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 2/7/08</b>	<b>Needs regular attention.</b>
<b>Erosion and Sediment Controls All active areas</b>	<b>Controls were removed from catch basins (CBs) on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of CB controls on all roadways during winter months. 2/7/08</b>  <b>Slurry from saw cutting activities has the potential to enter catch basins. 2/7/08</b>	<b>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. 2/7/08</b>  <b>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 2/7/08</b>	<b>Needs regular attention.</b>  <b>No issues noted but needs regular attention.</b>

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<p><b>Fairfield</b></p>	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 2/7/08</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. 2/7/08</p>	<p>NA</p>
	<p>Rutting and sediment tracking were previously observed at sta. # 462-464. The area was stabilized with process material and crushed stone has been placed to form temporary curbs. 2/7/08</p>	<p>Continue to monitor the area. Sweep roadways before the end of a work day as necessary to minimize tracking. 2/7/08</p>	<p>Stone curbs and process material were placed here.</p>
	<p>Excavated material from the trench near sta. #493 – 494 was being placed into a dump truck. Ground water from the soil was draining out of the back of the truck. The silty runoff was flowing along the curb line for approximately 250 feet before reaching a protected catch basin. 2/7/08</p>	<p>During the inspection, a Supervisor was called out to the site to address the multiple issues in this area. Place hay bales along the curb line to filter the runoff. Attend to controls in the downstream catch basin. Use better containment for saturated soils in the future. 2/7/08</p>	<p>Needs attention. A supervisor was called during the inspection.</p>
	<p>Equipment was being stored on the median near sta. #496 - 497, which has created large ruts in a previously undisturbed area. Sediment was also observed on the roadway and along the curb line. 2/7/08</p>	<p>Minimize impacts to previously undisturbed areas. Place crushed stone over areas of exposed soils to reduce tracking if equipment continues to park in this area. Full restoration will be required when access needs are complete. 2/7/08</p>	<p>Needs attention.</p>
	<p>Minor ruts in the area near vault #37 (Fairfield Inn) remain stabilized with hay mulch. 2/7/08</p> <p>At sta. #503-504, soils remain exposed for active work. Sediment</p>	<p>The remainder of the area is stable. Continue to monitor for further issues. 2/7/08</p> <p>Ensure soils are contained to the work area. Install temporary curbing or</p>	<p>NA at this time.</p> <p>Most of the accumulated sediment has been</p>

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<p><b>Bridgeport</b></p> <p><b>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</b></p>	<p>previously noted on the roadway appears to have been swept but some amounts remain along the curb line. 2/7/08</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. This area had been previously backfilled with hard-pack but may need to be refreshed. 2/7/08</p> <p>Perimeter controls remain in place. Stone previously spread throughout the yard has been plowed into piles adjacent to the perimeter controls during snow removal activities. 12/31-2/7/08 Sediment tracking was not an issue this week. 2/7/08</p>	<p>crushed stone. Sweep roadways before the end of a work day as necessary to minimize tracking. 2/7/08</p> <p>Refresh/add gravel or hard-pack along the shoulders of the roadway to reduce the potential for rutting and tracking. Continue to monitor so crews can address specific problem areas as they arise. 1/31-2/7/08</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. 12/31-2/7/08</p>	<p>removed from the roadway but the area still needs more containment.</p> <p>Needs attention. Continue to monitor.</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. 2/7/08</p>	<p>See Erosion and Sediment Controls section. 2/7/08</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. 2/7/08</p> <p>A hammer/breaker attachment was being stored on the median near sta. #495. Proactive secondary containment was not provided. Materials and construction debris were being stored all</p>	<p>See Erosion Control and Spills and Material Storage sections. 2/7/08</p> <p>Store any equipment attachments that holds hydraulic fluid in secondary containment to minimize the impacts from potential spills/leaks. Minimize the amount of construction materials and debris in</p>	<p>NA</p> <p>Needs proactive attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	throughout the area. 2/7/08	the work area. 2/7/08	
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 2/7/08</p> <p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 2/7/08</p> <p>Soil remains exposed following active work at sta. #503-504. It appears susceptible to run-off. 2/7/08</p> <p>An area of exposed soil remains near sta. #596 (vault #36) near the new sidewalk and parking lot. A vehicle recently drove through the area leaving minor ruts and tracking a minor amount of material into the parking lot. 2/7/08</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 is in place. 2/7/08</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. 2/7/08</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 2/7/08</p> <p>Continue to monitor and maintain controls as necessary. 2/7/08</p> <p>Temporarily stabilize exposed soil when active work is complete. Ensure the area is contained. 2/7/08</p> <p>Re-grade and appropriately stabilize the area for winter months. Install construction fencing or other barrier if problem persists. 2/7/08</p> <p>Work is complete in this area. Stabilize sufficiently for winter months. 2/7/08</p> <p>Continue to monitor. Provide temporary or final stabilization within the approved timelines. 2/7/08</p>	<p>NA</p> <p>NA</p> <p>Needs to be monitored.</p> <p>Needs attention.</p> <p>Continue to monitor.</p> <p>Needs attention within timelines.</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 2/7/08	None. 2/7/08	NA
Vegetative clearing (including trees to save)	Some portions of the trench work along Pequot	Permanently stabilize remaining exposed areas	NA

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<b>or danger trees noted) or stabilization</b>	<p><b>Ave. remain un-vegetated but stable. 2/7/08</b></p> <p><b>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). 2/7/08</b></p> <p><b>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. 2/7/08</b></p>	<p><b>when feasible. 2/7/08</b></p> <p><b>Vegetation should be restored as necessary upon completion of work in these areas. 2/7/08</b></p> <p><b>When work is complete, the stone wall will be restored per the D&amp;M plan. 2/7/08</b></p>	<p><b>NA</b></p> <p><b>NA at this time.</b></p>
<b>Dewatering</b>	<b>Dewatering was observed near sta. #482-485. 2/7/08</b>	<b>Continue to properly contain and/or filter discharge water when dewatering is required. 2/7/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits were observed in the storage yards. 2/7/08</b>	<b>Ensure that spill kits are also present with each vehicle during active construction 2/7/08</b>	<b>NA</b>
<b>Additional Observations</b>	<b>Catch basins near the storage yard at Railroad Ave. and Myrtle Ave., associated with the Glenbrook Cable project remain protected with silt sacks. Heavy sediment tracking was evident along the roadway. 1/31-2/7/08</b>	<b>Noted for the record since a portion of the project route overlaps this area. This yard is not jurisdictional to the M/N project. 1/31-2/7/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Thursday, February 14, 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



**Trenching activities continue along Pequot Ave. near sta. #493 to 494. A temporary bituminous berm was created along the edge of the steel road plates to divert runoff away from the trench. Excavated material from the trench was being placed into a dump truck. Ground water from the soil was draining out of the back of the truck. The turbid runoff was flowing along the curb line for approximately 250 feet before reaching a protected catch basin. During the inspection, a contractor Supervisor was called out to the site to address the multiple issues in this area.**



**A hammer/breaker attachment containing hydraulic fluid was being stored on the median near sta. #495 without proper, proactive secondary containment.**



**Equipment is being stored on the median near sta. #496 to 497, which has resulted in large ruts in a previously undisturbed area. Sediment was also observed on the roadway and along the curb line.**





**Crushed stone has been placed around the edge of the median to form a temporary curb near sta. #461.**



**Work continues near sta. #502-503. The roadway appears to have been recently swept. However, a minor amount of sediment remained along the curb line.**



**Some ruts were noted along the shoulder of Railroad Ave. near sta. #737. Ruts were likely from normal traffic but more hard pack or gravel may be needed here.**



**Heavy sediment tracking was observed from a lay-down yard on Railroad Ave. near Myrtle Ave., but neither the yard nor the sediment is related to this project.**