

**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 14, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** A trace of precipitation was reported on 2/13 which was the only precipitation recorded since the previous week's inspection. (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. 2/14/08</b>  | <b>See erosion control section for details on sediment tracking. 2/14/08</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. #482-485, #492-494, #503-504, #521, #564-565, #757, &amp; #799-800. 2/14/08</b>  | <b>Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 2/14/08</b>   | <b>Needs regular attention.</b>                     |
| <b>Erosion and Sediment Controls<br/>All active areas</b> | <b>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 on all roadways during winter months. 2/14/08</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. 2/14/08</b> | <b>Needs regular attention.</b>                     |
|   | <b>Slurry from saw cutting activities has the potential to enter catch basins. 2/14/08</b>  | <b>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 2/14/08</b>  | <b>No issues noted but needs regular attention.</b> |

| 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. 2/14/08</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. 2/14/08</p> | <p>NA</p>  |
|                     | <p>The area near sta. # 462-464 was temporarily stabilized with processed material. Crushed stone remains in place to form temporary curbs. 2/14/08</p>   | <p>Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 2/14/08</p>   | <p>NA at this time.</p>  |
|                     | <p>The turbid runoff that was previously observed flowing along the curb line near sta. #493 - 494 was no longer present. However, the receiving catch basin that was affected was not cleaned yet. Controls remain in place. 2/14/08</p> | <p>Vacuum the downstream catch basin and continue to monitor work in this area. 2/14/08</p>  | <p>Needs attention.</p>  |
|                     | <p>Equipment was being stored on the median near sta. #496 - 497. The large ruts observed last week have been re-graded. A minor amount of sediment was also observed on the roadway and along the curb line. 2/14/08</p>                 | <p>Mulch should be placed on exposed soil for temporary stabilization. Place crushed stone in areas used for parking. Full restoration will be required when access needs are complete. 2/14/08</p>                          | <p>Rutted area has been re-graded. Additional stabilization is needed.</p>     |
|                     | <p>Minor ruts in the area near vault #37 (Fairfield Inn) remain stabilized with hay mulch. 2/14/08</p>  | <p>The remainder of the area is stable. Continue to monitor for further issues. 2/14/08</p>  | <p>NA at this time.</p>  |
| Bridgeport          | <p>At sta. #503-504, soils remain exposed for active work. Temporary bituminous curb has been installed. 2/14/08</p>  | <p>Ensure soils are contained to the work area. Sweep roadways before the end of a work day as necessary to minimize tracking. 2/14/08</p>   | <p>Temporary bituminous curb has been installed.</p>                           |
|                     | <p>Some ruts were observed along the shoulder of Railroad Ave between Hancock Ave. and</p>  | <p>Refresh/add gravel or hard-pack along the shoulders of the roadway to reduce the potential for</p>  | <p>Needs attention. Continue to monitor.<br/><i>The city of Bridgeport</i></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><b>Howard Ave. (sta #737) likely due to regular traffic, not construction vehicles. This area had been previously backfilled with hard-pack but may need to be refreshed. 2/7-2/14/08</b></p> <p><b>Work continues near sta. #799-800. Some remnants/pebbles of temporary cold-patch material were observed in the area of the work zone along the curb and sidewalk. 2/14/08</b></p> <p><b>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. 12/31-2/14/08</b></p> <p><b>Minor sediment tracking was noted this week. 2/14/08</b></p> | <p><b>rutting and tracking. Continue to monitor so crews can address specific problem areas as they arise. 1/31-2/14/08</b></p> <p><b>Sweep area as necessary to remove sediment and other materials from the roadway and sidewalks. 2/14/08</b></p> <p><b>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. 12/31-2/14/08</b></p> | <p><i>is concerned about the condition here and crews were being requested to evaluate this area.</i></p> <p><b>Needs attention.</b></p> <p><b>Needs attention when feasible.</b></p> |
| <p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>         | <p><b>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 2/14/08</b></p>  | <p><b>See Erosion and Sediment Controls section. 2/14/08</b></p>  | <p>NA</p>   |
| <p><b>Staging, Storage, and Parking Areas</b></p>                                | <p><b>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. 2/14/08</b></p> <p><b>A hammer/breaker attachment was being stored on the median near sta. #495. A sheet of plywood has been placed under the attachment to absorb any potential leaks. Materials and</b></p>   | <p><b>See Erosion Control and Spills and Material Storage sections. 2/14/08</b></p> <p><b>Continue to store any equipment attachments that holds hydraulic fluid in secondary containment to minimize the impacts from potential spills/leaks. Minimize the amount of construction</b></p>  | <p>NA</p> <p><b>The equipment now has proactive secondary containment.</b></p>  |

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|---|---|---|---|
|   | <p>construction debris were being stored all throughout the area. 2/14/08</p>   | <p>materials and debris in the work area. 2/14/08</p>   |   |
| <p><b>Soils</b></p>   | <p>Soils are exposed as part of the excavation for trench, vault, and utility work. 2/14/08</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. 2/7-2/14/08</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. 2/7-2/14/08</p> <p>An area of exposed soil is adjacent to the work zone near sta. #649-650. A temporary sidewalk is in place. Minor sediment tracking and rutting were observed this week. 2/14/08</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. 2/14/08</p> | <p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 2/14/08</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. 2/7-2/14/08</p> <p>Re-grade and appropriately stabilize the area for winter months. Install construction fencing or other controls if problem persists. 2/7-2/14/08</p> <p>Work is complete in this area. Stabilize sufficiently for winter months. 2/14/08</p> <p>Continue to monitor. Provide temporary or final stabilization within the approved timelines. 2/14/08</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> |
| <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. 2/14/08</p>   | <p>None. 2/14/08</p>  | <p>NA</p>   |

| <b>Areas of Inspection</b>  | <b>Observation</b>   | <b>Recommended Action</b>  | <b>Corrected Action</b> |
|---|--|--|-------------------------|
| <b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b> | <b>Some portions of the trench work along Pequot Ave. remain un-vegetated but stable. 2/14/08</b>  | <b>Permanently stabilize remaining exposed areas when feasible. 2/14/08</b>                            | <b>NA</b>               |
|   | <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). 2/14/08</b>                                       | <b>Vegetation should be restored as necessary upon completion of work in these areas. 2/14/08</b>      | <b>NA</b>               |
|   | <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. 2/14/08</b> | <b>When work is complete, the stone wall will be restored per the D&amp;M plan. 2/7/08</b>             | <b>NA at this time.</b> |
| <b>Dewatering</b>   | <b>Dewatering was observed near sta. #482-487. A temporary diversion drain was also set up in this area. 2/14/08</b>   | <b>Continue to properly contain and/or filter discharge water when dewatering is required. 2/14/08</b> | <b>NA</b>               |
| <b>Spills and Material Storage</b>  | <b>Spill cleanup materials/kits were observed in the storage yards. 2/14/08</b>  | <b>Ensure that spill kits are also present with each vehicle during active construction 2/14/08</b>    | <b>NA</b>               |
| <b>Additional Observations</b>  | <b>None. 2/14/08</b>   | <b>None. 2/14/08</b>   | <b>NA</b>               |

**Next likely scheduled inspection:**

**Thursday, February 21, 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. #482 to 485. A temporary diversion drain has been installed to facilitate drainage along the roadway during construction.**



**Rutted area along Pequot Ave. near sta. #495 has been re-graded to remove the ruts. A minor amount of sediment remains along the roadway and curb line. Mulch should be placed on exposed soil.**



**Work continues near sta. #502-503. A temporary bituminous curb has been installed and steel plates remain in the parking lot area across the street.**



**Trenching and backfilling activities continue near sta. #799. Some remnants/pebbles of temporary cold-patch material were observed in the area of the work zone along the curb and sidewalk.**