

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: December 21, 2007

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.24" of precipitation was reported since the previous inspection, with 0.74" of the total recorded on 12/13 and 0.37" on 12/16 (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. 12/21/07   | See erosion control section for details on sediment tracking. 12/21/07   | Not Applicable (NA)   |
| Vault Openings and Trench Construction            | Many activities were on hold for the two-week holiday break. Construction/trenching activities and/or steel road plates were observed at the time of the inspection at sta.: #649-650. Electrical and taping work internal to the system were occurring at Vaults #46 and 47. 12/21/07 | Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 12/21/07   | NA  |
| Erosion and Sediment Controls<br>All active areas | Controls had to be removed from catch basins on Rt 1 per request of ConnDOT to improve drainage during winter conditions. 12/21/07<br><br>Elsewhere on the project route, filter fabric or filter socks are installed in most catch basins adjacent to the construction activities.    | 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. 12/21/07<br><br>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 12/21/07 | Needs regular attention.<br><br>Most catch basins were protected. (proactively) |

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|---------------------|---|---|---|
| Fairfield           | <p>12/21/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week- no active trenching. 12/21/07</p>                            | <p>Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 12/21/07</p>   | <p>No issues noted but needs regular attention.</p>                                       |
|                     | <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 12/21/07</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. 12/21/07</p> | <p>NA</p>   |
| Fairfield           | <p>Minor ruts in the area near vault #37 (Fairfield Inn) remain stabilized with hay mulch. 12/21/07</p>   | <p>The remainder of the area is stable. Continue to monitor for further issues. 12/21/07</p>  | <p>NA at this time.</p>   |
| Bridgeport          | <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. 12/21/07</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. 12/21/07</p>   | <p>Tracking was not observed this week. Needs attention when active work is complete.</p> |
|                     | <p>An area of exposed soil near #695 was currently covered in snow and will be paved in the spring. No tracking or issues were noted. 12/21/07</p>  | <p>Continue to monitor, especially during thaw conditions. 12/21/07</p>   | <p>NA at this time</p>  |
|                     | <p>Contractors have addressed tracking from off-road/shoulder areas along Railroad Ave with the application of compacted gravel. 12/21/07</p>   | <p>Continue to sweep roadway where needed. Continue to monitor so crews can address specific problem areas as they arise. 12/21/07</p>  | <p>Needs to be monitored.</p>   |
|                     | <p>Minor sediment tracking/migration had been observed along the shoulder of the roadway near sta. #801-803 (vault #49) since 11/21 but this</p>  | <p>Sweep roadway when needed. Hard pack is in place over the soils here. Continue to monitor for stabilization. 12/21/07</p>  | <p>Needs to be monitored.</p>   |

| Areas of Inspection  | Observation  | Recommended Action  | Corrected Action          |
|--|--|---|---------------------------|
| Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary) | was no longer noted, likely due to snow plowing. 12/21/07<br><br>Perimeter controls remain in place. In past weeks, minor sediment tracking was observed near the entrance to the yard. 12/21/07 | Continue to monitor and maintain controls, sweep the roadway as necessary See spills/material storage section. 12/21/07 | Needs regular attention.  |
| Bostwick Ave. Lay-down Yard  | All materials and equipment had been demobilized/ removed from this area. The contractor stated it will no longer be used. 12/21/07  | None at this time. 12/21/07   | The yard was demobilized. |
| Inland Wetland and Watercourse encroachment and mitigation         | The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 12/21/07  | See erosion control section. 12/21/07   | NA                        |
| Staging, Storage, and Parking Areas                                | A contractor storage yard on Bostwick Ave. has been demobilized and is no longer in use. 12/21/07  | None at this time. 12/21/07   | NA                        |
|  | 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. 12/12/07   | See Erosion Control and Spills and Material Storage sections. 12/21/07  | NA                        |
| Soils  | Soils are exposed as part of the excavation for trench, vault, and utility work. 12/21/07  | Most areas are temporarily stabilized. Soils appear to be handled appropriately. 12/21/07                               | NA                        |
|  | A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 12/21/07  | Continue to monitor and maintain controls as necessary. 12/21/07  | NA                        |
|  | The soils near sta.#695 which had inadequate hay mulch coverage (since 11/15) now has snow cover and   | Permanent restoration efforts are still planned in this area. The area will be paved in the spring. 12/21/07            | Needs monitoring          |

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|--|--|---|---|
|  | <p>has not been disturbed. 12/21/07</p> <p>Soils near sta. #801-803 (vault #49) have hard pack in place but remain somewhat exposed. 12/21/07</p>  | <p>Provide temporary stabilization to the area, as soon as thaw occurs. 12/21/07</p> <p>See erosion control section for more details. Provide temporary or final stabilization within the approved timelines. 11/21-12/21/07</p>  | Needs attention within timelines.   |
| State species of concern, threatened and endangered species.                         | According to the D&M plan, state-listed species are not located in this work area. 12/21/07  | None.   | NA  |
| Vegetative clearing (including trees to save or danger trees noted) or stabilization | <p>Sidewalk has been recently installed near sta. #596-598. Topsoil has been spread in some areas but remains exposed. 11/21-12/21/07</p> <p>Some portions of the trench work along Pequot Ave. remain un-vegetated but stable. 12/21/07</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). 12/21/07</p> <p>Snow was plowed between Main St. &amp; Broad St. and vehicles belonging to crews working on Singer Substation are parking here. There is no sediment tracking at this time. 12/21/07</p> | <p>Stabilize exposed soils sufficiently for winter months within the appropriate timelines. Area is at 21 days but now has snow cover. 12/21/07</p> <p>Permanently stabilize remaining exposed areas when feasible. 12/21/07</p> <p>Vegetation should be restored as necessary upon completion of work in these areas. 12/21/07</p> <p>UI and associated contractors have agreed to provide restoration to this area when work is complete. (not covered under this report). 12/21/07</p> | <p>Needs to be monitored and needs attention when thaw occurs.</p> <p>NA</p> <p>NA</p> <p>UI crews will be providing restoration here when their access needs are complete.</p> |
| Dewatering   | Dewatering activities were observed during the inspection at sta. #711-715 and #796-797. 12/21/07  | Continue to properly contain and/or filter discharge water when dewatering is required. 12/21/07  | NA  |

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|-----------------------------|---|--|-------------------------------------|
| Spills and Material Storage | Spill cleanup materials/kits were observed in the storage yards. 12/21/07   | Ensure that spill kits are also present with each vehicle during active construction 12/21/07  | NA                                  |
|                             | Minor amounts of debris were noted near the entrance to the Kings Highway laydown yard. 12/5-12/21/07   | Remove and dispose of debris for appearances. 12/5-12/21/07  | Needs attention when feasible.      |
| Additional Observations     | Catch basins near the storage yard at Railroad Ave. and Myrtle Ave., associated with the Glenbrook Cable project remain protected with silt sacks. Sediment tracking appears to have been actively cleaned up or washed away by recent snow. 12/21/07 | Noted for the record since a portion of the project route overlaps this area. This yard is not jurisdictional to the M/N project. The project team was recently notified. 12/21/07 | Not jurisdictional to this project. |

Next likely scheduled inspection: Monday, December 31, 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: Gregory Sommer, BSC Group

Reviewer: Diana Walden, BSC Group



A temporary sidewalk was replaced near sta. #649-650. The adjacent lot remains exposed but some work is still needed here. The area will be stabilized when active work is complete.



Photo shows the area between Broad St. and Main St. Contractors from Singer Substation are parking in this area and have stated they will be responsible for stabilization at the end of the work. Neither tracking, nor ruts were issues here.



Perimeter controls remain in place around the Kings Highway lay down yard. Sediment tracking was not an issue as the work was shutting down for a 2-week holiday break.



The Bostwick Ave lay-down yard was currently closed. All material and equipment had been removed.