

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: August 14, 2008

Inspector: Lennox Keen

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.76" of precipitation was reported since the previous inspection, with the largest event of 1.43" recorded on 8/7 (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. 8/14/08 | See erosion control section for details on sediment tracking. 8/14/08 | Not Applicable (NA) |
| Vault Openings and Trench Construction | Construction activities and/or steel road plates were observed at the time of the inspection, including at sta. #468+50-470+50, #511-514, #535-537. 8/14/08 | Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 8/14/08 | 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. 8/14/08 | 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. CB controls should still be considered when work is adjacent. 8/14/08 | Needs regular attention. |
| | Slurry from saw cutting activities has the potential to enter catch basins. 8/14/08 | Prevent slurry from entering catch basins and sensitive areas by quickly attending to it as it is generated during cutting. 8/14/08 | Needs regular attention. |

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|--------------------------|---|--|---|
| <p>Fairfield</p> | <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 8/14/08</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. 8/14/08</p> | <p>NA</p> |
| | <p>Temporary pavement and bituminous and/or crushed stone curbing remains near sta. #462-464 and #502-503. 8/14/08</p> | <p>Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 8/14/08</p> | <p>NA at this time.</p> |
| | <p>Exposed soil remains along the base of the sloped area near the bridge abutment at sta. #465. Silt fence is starting to deteriorate. 8/14/08</p> | <p>Continue to monitor the area. Provide final stabilization. Clean the catch basin due to observed run-off from previous weeks. 8/14/08</p> | <p>Catch basin will also need attention.</p> |
| | <p>Two stockpiles of material were observed near sta. #467. The stockpiles were lacking any controls/containment. Tracking was not observed. 8/01-8/14/08</p> | <p>Install erosion controls measures at the base of the piles or remove them. Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 8/01-8/14/08</p> | <p>Needs attention.</p> |
| <p>Bridgeport</p> | <p>Cold mix/ granular material was observed along the roadway near sta. #511-514. Sediment was also noted near sta #535-537 and vault #28. 8/14/08</p> | <p>Continue to monitor the areas. Sweep roadways as necessary to minimize tracking. 8/14/08</p> | <p>Needs attention.</p> |
| | <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. A concrete washout was observed in this area but did not appear to be project</p> | <p>Continue to monitor and provide final cover/restoration when feasible. Sweep roadway as necessary to remove sediment from the roadway. Remove and properly dispose of concrete washout. 8/14/08</p> | <p>The city of Bridgeport is concerned about the condition here and crews were being requested to evaluate this area.</p> |

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|--|---|---|---|
| <p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p> | <p>related. 8/14/08</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. 2/7-8/14/08</p> <p>Perimeter controls remain in place. Crushed stone remains throughout the yard to reduce tracking. Sediment tracking and dust migration issues were not observed at the time of the inspection. 8/14/08</p> <p>Washout water from cleaning the frac tanks was dumped into the material stockpile to bind together prior to disposal. A soil berm remains in place to provide containment. 8/14/08</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- 8/14/08</p> <p>Continue to monitor and maintain controls as necessary. Maintain crushed stone throughout the yard to reduce the potential for tracking, dust migration, and limit the amount of material piled near controls. Apply water over the surface of the yard as necessary to control dust migration. 8/14/08</p> <p>Continue to monitor the containment area and reinforce the soil berm necessary. Continue to ensure appropriate capacity. 8/14/08</p> | <p><i>The city of Bridgeport is concerned about the condition here and crews were being requested to evaluate this area.</i></p> <p>Continue to monitor.</p> <p>NA</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. 8/14/08</p> | <p>See Erosion and Sediment Controls section. 8/14/08</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. This is being used for both 4a and 4b activities. Reserve spill</p> | <p>See Erosion and Sediment Controls section for more information. Watch encroachment of materials beyond the perimeter controls in the</p> | <p>NA</p> |

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| | <p>kits are located near the equipment trailers. A tarp remains over the additional soil, debris and railroad tie stockpile. Frac tank washout water is being contained here as well. 8/14/08</p> | <p>yard. 8/14/08</p> | |
| <p>Soils</p> | <p>Soils are exposed as part of the excavation for trench, vault, and utility work. 8/14/08</p> <p>Sidewalk restoration work was ongoing at sta. #535-537. Areas of exposed soil were not contained. Soil has accumulated along the edge of the roadway. 8/14/08</p> <p>An area of exposed soil near sta. #596 (vault #36) has started to naturally vegetate near the new sidewalk and parking lot. 8/14/08</p> <p>An area of exposed soil is adjacent to the work zone near sta. #649-650 (for several months). Sediment tracking was not observed this week. A temporary sidewalk is in place. 8/14/08</p> | <p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 8/14/08</p> <p>Sweep roadway. Provide erosion control measures as necessary to contain areas of exposed soils. 8/14/08</p> <p>Continue to monitor until the area has grass cover. 8/14/08</p> <p>Work is complete in this area. Stabilize and seed or provide final surfacing at the area when feasible. 8/14/08</p> | <p>NA</p> <p>Needs attention.</p> <p>Some vegetation was starting to grow.</p> <p>Needs attention/ final restoration.</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. 8/14/08</p> | <p>None. 8/14/08</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). 8/14/08</p> | <p>Vegetation should be restored as necessary upon completion of work in these areas. 8/14/08</p> | <p>NA</p> |

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| Dewatering | Dewatering was not observed during this week's inspection. 8/14/08 | Continue to properly contain and/or filter discharge water when dewatering is required. 8/14/08 | NA |
| Spills and Material Storage | Spill cleanup materials/kits were observed in the storage yards. 8/14/08 In general, stormwater is occasionally discharged from vaults for electrical work. 8/14/08 | Ensure that spill kits are also present with each vehicle during active construction 8/14/08 In general, ensure water is not turbid and discharge clean stormwater directly to catch basins. 8/14/08 | NA NA at this time |
| Additional Observations | Sidewalk restoration work was underway near vault #32. 8/14/08 | None. 8/14/08 | NA |

Next likely scheduled inspection:

Thursday August 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: Lennox Keen, BSC Group

Reviewer: Diana Walden, BSC Group



Exposed soil remains along the base of slope near the bridge abutment at sta. #465. Silt fence is falling into disrepair. Provide **final stabilization**.



Sidewalk restoration work was ongoing at sta. #535-537. Areas of exposed soil were not contained. Soil has accumulated along the edge of the roadway and needs to be swept.



Trenching and tie-in work continues at vault #28. Sweep the Roadway as necessary to prevent tracking.



Crushed stone remains throughout the Kings Highway yard to reduce tracking. Sediment tracking and dust migration issues were not observed at the time of the inspection.