

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: March 13, 2008

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 1.97" of precipitation was reported since the previous inspection with 1.26" recorded on 3/7 and 0.70" recorded on 3/8 (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. 3/13/08	See erosion control section for details on sediment tracking. 3/13/08	Not Applicable (NA)
Vault Openings and Trench Construction	Trenching activities and/or steel road plates were observed at the time of the inspection near sta. #488-499, #551, #564-566, #680, #712, #725-728, & #790. 3/13/08 Electrical contractors were working at vaults #48. 3/13/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/13/08 None. 3/13/08	Needs regular attention. NA
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 on all roadways during winter months. 3/13/08 Slurry from saw cutting activities has the potential to enter catch basins.	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. 3/13/08 Prevent slurry from entering catch basins and sensitive areas by quickly attending	Needs regular attention. No issues noted but needs regular attention.

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Fairfield	<p>3/13/08</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 3/13/08</p>	<p>to it as it is generated during cutting. 3/13/08</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. 3/13/08</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. 3/13/08</p>	<p>Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 3/13/08</p>	<p>NA at this time.</p>
	<p>The catch basin near sta. #493 – 494 that received turbid run-off several weeks ago has been cleaned and the silt sack was removed. A crew worker was observed sweeping sediment off the roadway during the inspection. 3/13/08</p>	<p>Good efforts have been made to clean up the area. 3/13/08</p>	<p>The catch basin has been cleaned.</p>
	<p>Previously rutted area near vault #37 (Fairfield Inn) appear to have been re-graded and the area is stable. 3/13/08</p>	<p>The remainder of the area is stable. Continue to monitor for further issues. 3/13/08</p>	<p>NA at this time.</p>
	<p>At sta. #503-504, soils remain exposed but stable. Pavement has been temporarily patched and a temporary bituminous curb has been installed. Work at this site is on hold until a subcontractor rebuilds the stone wall. 3/13/08</p>	<p>Ensure soils are contained to the work area. Sweep roadways before the end of a work day as necessary to minimize tracking. 3/13/08</p>	<p>NA</p>
Bridgeport	<p>Some ruts were observed along the shoulder of Railroad Ave between Hancock Ave. and Howard Ave. (sta #737) likely due to regular</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</p>	<p>Needs attention. Continue to monitor.</p> <p><i>The city of Bridgeport is concerned about the</i></p>

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<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>traffic, not construction vehicles. This area remains backfilled with hard-pack but may need to be refreshed. 2/7-3/13/08</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. 12/31-3/13/08</p> <p>Minimal sediment tracking was noted this week. Crushed stone has been spread in several areas throughout the yard to reduce tracking. 3/13/08</p>	<p>crews can address specific problem areas as they arise. 1/31-3/13/08</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. 12/31-3/13/08</p>	<p><i>condition here and crews were being requested to evaluate this area.</i></p> <p>Needs attention when feasible.</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. 3/13/08</p>	<p>See Erosion and Sediment Controls section. 3/13/08</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. Reserve spill kits are located near the equipment trailers. 3/13/08</p> <p>The amount of materials and construction debris being stored on the median area near sta. #495 has been reduced and cleaned up. However, some concrete washouts were noted. 3/13/08</p>	<p>See Erosion Control and Spills and Material Storage sections. 3/13/08</p> <p>Continue to attend to storage of materials as work leaves an area.</p> <p>See Spills and Material Storage sections 3/13/08</p>	<p>NA</p> <p>See Spills and Material Storage sections</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 3/13/08</p>	<p>Most areas are temporarily stabilized. Soils appear to be handled appropriately. 3/13/08</p>	<p>NA</p>

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	<p>A small stockpile off Rt. 1 Pequot Ave. is contained and stable. 3/13/08</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. 3/13/08</p> <p>An area of exposed soil is adjacent to the work zone near sta. #649-650. Sediment tracking was not observed this week. A temporary sidewalk is in place. 3/13/08</p>	<p>Continue to monitor and maintain controls as necessary. 3/13/08</p> <p>Re-grade and appropriately stabilize the area for winter months. Install construction fencing or other barrier if problem persists 3/13/08</p> <p>Work is complete in this area. Stabilize sufficiently for winter months. 3/13/08</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>Continue to monitor.</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. 3/13/08</p>	<p>None. 3/13/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Some portions of the trench work along Pequot Ave. remain un-vegetated but stable. 3/13/08</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). 3/13/08</p> <p>A stone wall, a fence and some shrubs had been removed from the work area at sta #503 per the D&M plan. Stones from the wall were stockpiled in the homeowner's yard. Subcontractor will be rebuilding the wall soon. 3/13/08</p>	<p>Permanently stabilize remaining exposed areas when feasible. 3/13/08</p> <p>Vegetation should be restored as necessary upon completion of work in these areas. 3/13/08</p> <p>When work is complete, restore the stone wall per the D&M plan. 3/13/08</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>

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Dewatering	Dewatering was observed near sta. #546-566. 3/13/08	Continue to properly contain and/or filter discharge water when dewatering is required. 3/13/08	Dewatering appears to be handled appropriately.
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yards. 3/13/08</p> <p>Multiple concrete washout areas were observed along the median area near sta. #494. Silt fence is in place along the curb line and contains the washouts but does not serve as proper controls. 3/13/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction 3/13/08</p> <p>Properly remove and dispose of concrete washout material. Perform future concrete washouts in a single contained location to minimize the total impact area. 3/16/08</p>	<p>NA</p> <p>Needs attention.</p>
Additional Observations	None. 3/13/08	None. 3/13/08	NA

Next likely scheduled inspection:

Thursday, March 20, 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



Both photos (above) show trenching and backfilling activities continuing near sta. #488-493.



Multiple concrete washouts were observed along the median near sta. #495. The areas were contained within erosion controls, but a single, lined location should be designated for future washouts to minimize unnecessary impacts.