

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: April 3, 2008

Inspector: Gregory Sommer

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.74" of precipitation was reported since the previous inspection with 0.27" recorded on 3/31 and 0.42" recorded on 4/1 (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. 4/03/08	See erosion control section for details on sediment tracking. 4/03/08	Not Applicable (NA)
Vault Openings and Trench Construction	Construction activities and/or steel road plates were observed at the time of the inspection near sta. #454-456, #480-482, #495, #502-503, #566, #664-666, #721-723, & #728. 4/03/08 Electrical contractors were working at vault #47. 4/03/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 4/03/08 None. 4/03/08	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. 4/03/08 Slurry from saw cutting activities has the potential	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. 4/03/08 Prevent slurry from entering catch basins and sensitive	Needs regular attention. No issues noted but needs regular

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Fairfield	<p>to enter catch basins. 4/03/08</p>	<p>areas by quickly attending to it as it is generated during cutting. 4/03/08</p>	<p>attention.</p>
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 4/03/08</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. 4/03/08</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. 4/03/08</p>	<p>Continue to monitor the area. Sweep roadways as necessary to minimize tracking. 4/03/08</p>	<p>NA at this time.</p>
	<p>Previously rutted area near vault #37 (Fairfield Inn) appear to have been re-graded and the area is stable. 4/03/08</p>	<p>The remainder of the area is stable. Continue to monitor for further issues. 4/03/08</p>	<p>NA at this time.</p>
Bridgeport	<p>The minor ruts observed since 3/20 near sta. #495 along the median area have been re-graded. Silt fence remains in place along the curb line. A large area of soil still remains exposed. 4/03/08</p>	<p>Either temporarily stabilize or permanently restore the exposed soils within the appropriate timelines (since 3/20). Sweep the curb area if needed. 3/28/08</p>	<p>Rutted areas have been re-graded. Additional work is need to stabilize exposed soils.</p>
	<p>Stone wall was has been reconstructed at sta. #503-504. Soils remain exposed and temporary pavement and bituminous curbing remain in place. 3/20-4/03/08</p>	<p>Ensure soils are contained to the work area and either temporarily stabilize or permanently restore the area. Sweep along the curbing as necessary to minimize tracking. 4/03/08</p>	<p>Needs attention within timelines.</p>
<p>Bridgeport</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</p>	<p>Refresh/add gravel or hard-pack the shoulders of the roadway in this area to reduce the potential for rutting and tracking. Continue to monitor so crews can address specific</p>	<p>Needs attention. Continue to monitor. <i>The city of Bridgeport is concerned about the condition here and crews were being</i></p>

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<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>remains backfilled with hard-pack but may need to be refreshed. 2/7-4/03/08</p> <p>Stone previously spread throughout the yard has been plowed into piles adjacent to the perimeter controls during snow removal activities. 12/31-4/03/08 Crushed stone has been spread in several areas throughout the yard to reduce tracking. Minor sediment tracking was observed. 4/03/08</p> <p>Perimeter controls remain in place but some sections need repair. 3/20-4/03/08</p>	<p>problem areas as they arise. 1/31-4/03/08</p> <p>Continue to 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. 12/31-4/03/08</p> <p>Controls need maintenance. 3/20-4/03/08</p>	<p><i>requested to evaluate this area.</i></p> <p>Needs attention when feasible.</p> <p>Needs attention</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. 4/03/08</p> <p>Crushed stone has been placed along a drainage swale near sta. #480. A minor amount of stone has been inadvertently placed past the controls and into the adjacent channel. 4/03/08</p>	<p>See Erosion and Sediment Controls section. 4/03/08</p> <p>Carefully (by hand) remove crushed stone that has been inadvertently placed in the adjacent channel. 4/03/08</p>	<p>NA</p> <p>Needs attention.</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. Debris material and old railroad ties, which have been stored within the yard, are being sorted and processed for disposal. 4/03/08</p>	<p>See Erosion Control and Spills and Material Storage sections. 4/03/08</p>	<p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part</p>	<p>Most areas are</p>	<p>NA</p>

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	<p>of the excavation for trench, vault, and utility work. 4/03/08</p> <p>Exposed soil along the median near Rt. 1 Pequot Ave. The topsoil has been spread and the area restored. The exposed soil still needs to be stabilized. Silt fence remains along curb line on down-gradient side of the median. 3/20-4/03/08</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. 3/13-4/03/08</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. 4/03/08</p>	<p>temporarily stabilized. Soils appear to be handled appropriately. 4/03/08</p> <p>Continue to monitor the area. Stabilize the exposed soils within the appropriate timelines 3/20-4/03/08</p> <p>Re-grade and appropriately stabilize the area for winter months. Install construction fencing or other barrier if problem persists. 3/13-4/03/08</p> <p>Work is complete in this area. Stabilize and seed the area sufficiently. 4/03/08</p>	<p>Exposed soil needs attention</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. 4/03/08</p>	<p>None. 4/03/08</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. 4/03/08</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). 4/03/08</p> <p>A stone wall, a fence and</p>	<p>Permanently stabilize remaining exposed areas when feasible. 4/03/08</p> <p>Vegetation should be restored as necessary upon completion of work in these areas. 4/03/08</p> <p>Continue to restore per</p>	<p>NA</p> <p>NA</p> <p>The stone wall has</p>

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	some shrubs had been removed from the work area at sta #503 per the D&M plan. The stone wall has been rebuilt. 4/03/08	the D&M plan. Soils need vegetative cover. 4/03/08	been rebuilt.
Dewatering	Dewatering was not observed during this week's inspection. 4/03/08	Continue to properly contain and/or filter discharge water when dewatering is required. 4/03/08	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 4/03/08	Ensure that spill kits are also present with each vehicle during active construction 4/03/08	NA
Additional Observations	None. 4/03/08	None. 4/03/08	NA

Next likely scheduled inspection:

Thursday April 10, 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



Steel plates remain over the trench near sta. #454-456 as vault tie-in work is underway.



Crushed stone was placed along a drainage swale near sta. #480, to filter sediment. Some stone was inadvertently placed in the channel beyond the controls and it will need to be removed.



The stone wall has been reconstructed near sta. #502-503. Exposed soil still needs to be stabilized.



Debris materials and old railroad ties, which have been stored within the Kings Highway yard, are being sorted and processed for disposal.