

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: November 8, 2006 (Evening inspection)

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Approximately 1.73” (1.58” on the day of inspection) of rain were recorded since the previous inspection in 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.	See erosion control section.	NA
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between Iranistan Ave. and South St. 11/08/06	None. 11/08/06	NA
	Trench excavation and utility work continues at the intersection of Railroad Ave. and Bostwick Ave. 11/08/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 11/08/06	Catch basins are protected.(Proactively)
	Trenching activities continue near the intersection of Broad St. and Atlantic Ave. 11/08/06	None. 11/08/06	Catch basins are protected.(Proactively)
Fairfield	Trenching activities continue on Rt. 1 from Old Post Rd to North/South Benson Rd. 11/08/06	None. 11/08/06/06	NA
	Trenching activities	None. 11/08/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>continue on Rt. 1 at Granville Ave. 11/08/06</p> <p>Trenching activities continue on Rt. 1 at its intersection with Mill Plain Rd. 11/81/06</p> <p>Trenching activities have initiated on Rt. 1 at its intersection with Pine Creek Rd. 11/08/06</p> <p>Vault #7536 construction activities continue. 11/08/06</p> <p>Work continues on Vault # 5430 at the intersection of Rt. 1 and River Street. 11/08/06</p> <p>Trenching activities continue on Rt. 1 from River St. to Mill Hill Rd. 11/08/06</p>	<p>See erosion control section. 11/08/06</p> <p>None. 11/08/06</p> <p>See erosion control section. 11/08/06</p> <p>See erosion control section. 11/08/06</p> <p>None. 11/08/06</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls Fairfield/Bridgeport</p> <p>Bridgeport</p>	<p>Filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 11/08/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 11/08/06</p> <p>Problems with dust were not observed this week. 11/08/06</p> <p>Most areas of recently completed trench work have now been temporarily stabilized with hay mulch. 11/08/06</p>	<p>Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 11/08/06</p> <p>Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 14-21 days, they should be stabilized. 11/08/06</p> <p>None. 11/08/06</p> <p>Continue to mulch or otherwise temporarily stabilize exposed soil surfaces. 11/08/06</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p> <p>Hay mulch has been applied to exposed areas.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>The soil stockpile was removed from the intersection of Railroad and Wordin Aves. 11/08/06</p>	<p>None. 11/08/06</p>	<p>The stockpile was removed.</p>
	<p>Stockpiles remain within the Iranistan Ave. temporary storage area. However, issues were not noted even during the rain. 11/08/06</p>	<p>Protect soil piles from erosion and sedimentation as a preventative measure. 11/01 - 11/08/06</p>	<p>Needs attention when feasible.</p>
	<p>Most tire ruts within the seeded and mulched area along Railroad Ave were restored. 11/08/06</p>	<p>Continue to regrade and temporarily stabilize. 11/08/06</p>	<p>Most tire ruts were repaired.</p>
	<p>At Vault #7537, some erosion remains in the strip between Rt 1 and the silt fence but additional sedimentation has not been a problem in the last few rain events. 11/08/06</p>	<p>The area does not appear to be eroding further. Stone may be appropriate here if needed. 11/08/06</p>	<p>Area inspected during rain event, no sedimentation noted.</p>
	<p>Some sediment remains in the gutter on River St. It appears that the sediment is from the Vault #5430 construction activities. 11/08/06</p>	<p>Remove sediment from roadway by hand if necessary, i.e. if the street sweeper cannot reach it. 11/08/06</p>	<p>Needs attention.</p>
	<p>Catch basin located in the roadway in front of Vault # 7536 is not protected. 11/08/06</p>	<p>Protect catch basin from potential migrating sediment. 11/08/06</p>	<p>Needs attention.</p>
	<p>Two catch basins down gradient of construction activities on Mill Plain Rd. need controls. 11/01-11/08/06</p>	<p>Install controls as necessary. 11/01-11/08/06</p>	<p>Needs attention.</p>
<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>Some materials have been removed from the concrete washout basin to restore some capacity. 11/08/06</p> <p>Materials leaning on and</p>	<p>Continue to maintain washout area as necessary. 11/08/06</p> <p>Continue to maintain</p>	<p>Some material was removed providing storage capacity.</p> <p>Materials on perimeter</p>

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	<p>stressing the perimeter erosion controls were removed and the fence was righted. 11/08/06</p>	<p>controls. Ensure that fence is secure and remains at full height and storage capacity. 11/08/06</p>	<p>controls have been removed.</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. 11/08/06</p>	<p>See erosion control section. 11/08/06</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 11/08/06</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 11/08/06</p> <p>A temporary storage area is being used at the intersection of Railroad Ave. and Iranistan Ave. Construction materials and frac tanks are being stored in this area. 10/27-11/08/06</p>	<p>None 11/08/06</p> <p>See erosion control section. 11/08/06</p> <p>See erosion control section regarding stockpiles. 11/08/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 11/08/06</p> <p>Soils were being contained, tagged and transported appropriately. 11/08/06</p>	<p>Most areas are temporarily stabilized. See erosion control section regarding stockpiles. 11/08/06</p> <p>Continue to monitor. 11/08/06</p>	<p>NA</p> <p>NA</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. 11/08/06</p>	<p>None 11/08/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Several areas that are no longer being worked along Railroad Ave have been seeded and mulched with hay appropriately. Some grass growth was noted. Tire ruts were mostly repaired. 11/08/06</p> <p>Four ornamental plum trees were removed from the Vault #7536 location. 11/01-11/08/06</p>	<p>Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27- 11/08/06</p> <p>Stabilize/restore area when appropriate. 11/08/06</p>	<p>Most tire tracks have been repaired, though some still remain.</p> <p>Needs attention when work is complete.</p>
Dewatering	No dewatering activities were noted at time of inspection. 11/08/06	None 11/08/06	NA
Blasting	No blasting has been proposed. 11/08/06	None 11/08/06	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 11/08/06</p> <p>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 11/08/06</p> <p>All equipment attachments were stored in the King's Highway laydown yard at the time of the inspection. The attachment containment area located along the western boundary of the yard was not fully enclosed. 11/08/06</p>	<p>None 11/08/06</p> <p>None 8/17/06 – 11/08/06</p> <p>Continue to improve and enclose the containment area. 11/08/06</p>	<p>NA</p> <p>Removal of ties has been initiated.</p> <p>Needs attention when feasible.</p>
Additional Observations	None 11/08/06	None 11/08/06	NA

Next likely scheduled inspection:

Wednesday November 15, 2006

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: Katie Bednaz, BSC Group

Reviewer: Diana Walden, BSC Group



Former location of tire ruts along Railroad Ave. The surface was regraded for the most part.



Photo of the intersection of Railroad Ave. with Wordin Ave. The soil pile in this location, noted in last week's inspection, has been removed.



Photo of one of the attachment equipment storage area in the the King's Highway Laydown Yard. Please note that the containment area is not fully enclosed.



Photo of the catch basin located on Old Post Rd. that receives stormwater from the Fairfield Inn area. Please note that the runoff flowing into the catch basin contains no observable sediment.