

**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:** October 27, 2006

**Inspector:** Katie Bednaz

**Location:** Singer Substation to Fairfield/Westport Town Line

**Rain Event:** Approximately 0.36” 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 Wordin Ave. and South St. 10/27/06	None 10/27/06	NA
	Trench excavation and utility work continues at the intersection of Railroad Ave. and Bostwick Ave. 10/27/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadway as soon as feasible. 10/27/06	Catch basins are protected.(Proactively)
	Trenching activities continue near the intersection of Broad St. and Atlantic Ave. 10/27/06	None. 10/27/06	Catch basins are protected.(Proactively)
Fairfield	Work near Vault #7537 is complete. The disturbed soils at the vault have been temporarily stabilized with seed and hay mulch. 10/27/06	See Erosion and Sediment Controls section. 10/27/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Trenching activities continue on Rt. 1 from Old Post Rd to North Benson Rd. 10/27/06</p>	<p>None. 10/27/06</p>	<p>Catch basins were protected. (Proactively)</p>
	<p>Trenching activities continue on Rt. 1 from Bungalow Ave. to Granville St. 10/27/06</p>	<p>See Erosion and Sediment Controls section. 10/27/06</p>	<p>Roadway was swept regularly.</p>
<p>Erosion and Sediment Controls            General            Fairfield/Bridgeport observations</p> <p>Bridgeport</p> <p>Fairfield            Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 10/27/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 10/27/06</p> <p>Problems with dust were not observed this week. 10/27/06</p> <p>Recently completed trench work has been backfilled and loamed but mulch is recommended on the exposed soil. 10/20/06 – 10/27/06</p> <p>At Vault #7537, a line of silt fence is located between the sidewalk and Rt. 1. Erosion remains in the strip between the roadway and the silt fence. Sediment was removed from the street 10/20/03 – 10/27/06</p> <p>The concrete washout basin is almost to capacity. 10/13-10/27/06</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. 10/27/06</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. 10/27/06</p> <p>None. 10/27/06</p> <p>Place mulch or other temporary stabilization on the soil surface. 10/20/06 – 10/27/06</p> <p>Stabilize the area as it tends to wash out with each rain event. Stone may be appropriate here. 10/20/06 – 10/27/06</p> <p>Remove concrete from basin to restore capacity if feasible. If not, an additional basin may need to be constructed. 10/13-10/27/06</p>	<p>Catch basins were protected. (Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p> <p>Mulch has been placed on exposed soils in portions, but additional work is required.</p> <p>Needs to be monitored during rain events to determine level of stabilization required.</p> <p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Inland Wetland and Watercourse encroachment and mitigation</b>	<b>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 10/27/06</b>	<b>See erosion control section. 10/27/06</b>	<b>NA</b>
<b>Staging, Storage, and Parking Areas</b>	<p><b>A contractor storage yard on Bostwick Ave. contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 10/27/06</b></p> <p><b>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 10/27/06</b></p> <p><b>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. 10/27/06</b></p>	<p><b>None 10/27/06</b></p> <p><b>See erosion control section for more information. The yard is well contained at this time with a few recommendationa. 10/27/06</b></p> <p><b>None. 10/27/06</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<b>Soils</b>	<p><b>Soils are exposed as part of the excavation for trench, vault, and utility work. 10/27/06</b></p> <p><b>Vac trucks are being used to remove soil from the trench in areas with high density of utility lines. 10/27/06</b></p> <p><b>Soils were being contained, tagged and transported appropriately. 10/27/06</b></p>	<p><b>Most areas are temporarily stabilized. See erosion control section. 10/27/06</b></p> <p><b>None. 10/27/06</b></p> <p><b>Continue to monitor. 10/27/06</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<b>State species of concern, threatened and endangered species.</b>	<b>According to the D&amp;M plan, state-listed species are not located in this work area. 10/207/06</b>	<b>None 10/27/06</b>	<b>NA</b>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<b>Several areas that are no longer being worked along Railroad Ave have been seeded and mulched with hay appropriately. Some grass growth was noted. A few erosive gullies were also graded out here. 10/27/06</b>	<b>None. Continue to monitor for stabilization/vegetative cover. 10/27/06</b>  <b>Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27/06</b>	<b>Areas were temporarily stabilized and sparse vegetation is establishing.</b>
<b>Dewatering</b>	<b>Active dewatering was not noted at the time of inspection. 10/27/06</b>	<b>None 10/27/06</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting has been proposed. 10/27/06</b>	<b>None 10/27/06</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 10/27/06</b>  <b>An attachment with fluid filled hoses was not placed in the containment area and drips/leaks were noted. 10/27/06</b>  <b>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 10/27/06</b>	<b>None 10/27/06</b>  <b>All fluid filled attachments should be contained as they have been previously. 10/27/06</b>  <b>None 8/17/06 – 10/27/06</b>	<b>NA</b>  <b>Needs regular attention.</b>  <b>NA</b>
<b>Additional Observations</b>	<b>None 10/27/06</b>	<b>None 10/27/06</b>	<b>NA</b>

**Next likely scheduled inspection:** Wednesday November 1, 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 trench location on Broad St. that has been temporarily stabilized with hay mulch.**



**Photo taken on Railroad Ave. at the corner of Iranistan Ave. Former trench location has been closed and stabilized with stone.**



**Photograph of temporary storage yard at the corner of Railroad Ave.**



**Photo of Rt. 1 and the Fairfield Inn construction area that previously experienced erosion. Area should be monitored during rain events to prevent any additional sedimentation.**

## KING'S HIGHWAY LAYDOWN YARD



**Concrete washout basin located within yard that is near capacity.**



**Sweeper washout area within yard is being contained.**



**Photo taken looking towards entrance of yard.**



**Fluid-filled equipment/attachments located in the yard. The equipment is leaking and is not contained.**