

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: September 27, 2006 (night inspection)

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: No precipitation has been reported since the 9/6/06 inspection (NOAA). However, rainfall reporting by NOAA appears to have been interrupted and incomplete for September.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<p>All work is within or adjacent to existing paved roadways at this time.</p> <p>Current sawcutting activities were well controlled with a sweeper following immediately behind the work on Rt 1. 9/27/06</p>	<p>See erosion control section.</p> <p>None. See erosion control section. 9/27/06</p>	<p>NA</p> <p>Sweepers continue to be used appropriately</p>
Vault Openings and Trench Construction Bridgeport	<p>The majority of the excavated trench has been backfilled on Railroad Ave. between Wordin Ave. and Iranistan Ave. 9/27/06</p> <p>Trench excavation and utility work continue east on Railroad Ave, between Wordin Ave. and Howard Ave, between Howard Ave. and Hancock Ave., and between Myrtle Ave. and Warren Ave. Sediment on roadways from construction activities is swept off roadway upon completion of work in the area or at the close of</p>	<p>None 9/27/06</p> <p>Continue to monitor and be proactive. Dust control has previously been an issue in other areas. Continue to sweep as soon as feasible. 9/27/06</p>	<p>NA</p> <p>Roadway was swept regularly. (Proactively)</p> <p>Catch basins are protected. (Proactively)</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Fairfield</p>	<p>the workday. 9/27/06</p> <p>Trenching activities have commenced at the intersection of Broad St. and Atlantic Ave. 9/27/06</p> <p>Trenching activities continue immediately to the north of Vault #7537. 9/27/06</p> <p>Trenching activities continue on Rt. 1 in Fairfield between Round Hill Road. and Unquowa Rd. 9/27/06</p> <p>The installation of Vault #7527 located on Rt. 1 near the intersection of Kings Hwy West, Center St., and Spruce St. Rock is complete and has been re-paved. 9/27/06</p> <p>Excavation activities for the installation of Vault #7439 are underway. The concrete vault was being installed during BSC's inspection. 9/27/05</p>	<p>None. 9/27/06</p> <p>See erosion and sediment controls section. 9/27/06</p> <p>None. 9/27/06</p> <p>None. 9/27/06</p> <p>None. 9/27/06</p>	<p>Catch basins are protected.(Proactively)</p> <p>NA</p> <p>Catch basins were protected.(Proactively) Roadway was swept regularly.</p> <p>Catch basins were protected.(Proactively)</p> <p>Catch basins were protected.(Proactively)</p>
<p>Erosion and Sediment Controls Bridgeport</p>	<p>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 9/27/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 9/27/06</p> <p>Problems with dust were not observed this week. 9/27/06</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. 9/27/06</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. 9/27/06</p> <p>None. 9/27/06</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and Sediment Controls continued Fairfield</p>	<p>The catch basin at Old Post Rd has a gutter buddy installed to protect the drop inlet. 9/27/06</p> <p>Work continue to the southwest of Vault #7537, adjacent to Dunkin Donuts. Sawcutting is being closely followed by a street sweeper. 9/27/06</p> <p>Work on vault #6428 is complete in the parking area. The “islands” in the parking area have been restored with hay mulch. Accumulated sediment around the catch basins in the parking area was removed. 9/27/06</p>	<p>None. 9/27/06</p> <p>Continue to use the sweeper truck to sweep the area immediately after the sawcut is completed. Prevent vehicles from driving through slurry where possible and control potential dust production when it occurs. 9/27/06</p> <p>None. Silt sacks were also removed from the catch basins as work is complete in the area. 9/27/06</p>	<p>Gutter buddy has been installed.</p> <p>Truck is sweeping immediately behind sawcut.</p> <p>Sediment has been removed, and the “islands” were stabilized.</p>
<p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>The abandoned concrete wash-out basin contains hardening concrete but has been covered with a tarp to prevent precipitation from mixing in. 9/27/06</p> <p>The sweeper truck and concrete wash-out area is well controlled with additional geotextile/ tarp liners. 9/27/06</p> <p>A new stone berm was installed in the area requiring regular access by the Town of Fairfield. 9/27/06</p> <p>The yard was watered down before the night crew mobilized to reduce the potential for dust migration. 9/27/06</p>	<p>The concrete in the abandoned basin should be properly disposed of when dried and the basin removed. 9/27/06</p> <p>None- continue to monitor the area while in use. 9/27/06</p> <p>None. Continue to monitor 9/27/06</p> <p>None. 9/27/06</p>	<p>Needs disposal when feasible</p> <p>Additional geotextile fabric has been added. The area is controlled well.</p> <p>Stone berm has been installed.</p> <p>Dust migration was being managed proactively.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway but is well controlled at this time. 9/27/06	See erosion control section. 8/30- 9/27/06	NA
Staging, Storage, and Parking Areas	A contractor storage yard on Bostwick Ave contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 9/27/06	None 9/27/06	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 9/27/06	See erosion control section. The yard is well contained at this time. 9/27/06	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 9/27/06	See erosion control section for dust control. 9/27/06	NA
	Soils were being contained, tagged and transported appropriately. 9/27/06	Continue to monitor. 9/27/06	NA
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 9/27/06	None 9/27/06	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Several areas that are no longer being worked along Railroad Ave have been seeded and mulched with hay appropriately. 9/27/06	None. Continue to monitor for stabilization/vegetative cover. 9/27/06	Areas were restored and sparse vegetation is establishing.
	The "islands" in the parking lot (vault #6428) were also restored and stabilized with mulch. 9/27/06	None. Continue to monitor for stabilization/vegetative cover. 9/27/06	Areas were restored
Dewatering	Active dewatering was not noted at the time of inspection. 9/27/06	None 9/27/06	NA
Blasting	No blasting has been proposed. 9/27/06	None 9/27/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard and on job trucks. 9/27/06	None 9/27/06	NA
	Some equipment in the storage yard with the potential to leak was proactively contained. 9/27/06	None 9/27/06	Equipment was contained proactively.
	Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 9/27/06	None 8/17/06 – 9/27/06	NA
Additional Observations	None 9/27/06	None 9/27/06	NA

Next likely scheduled inspection: Wednesday October 4, 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

Reviewer: Diana Walden



Photograph taken facing east of the intersection of Railroad Ave. and Hancock Ave.



Photo taken facing east of the completed and restored trench area on Railroad Ave. between Hancock Ave and Howard Ave.



Photo taken facing west of utility work on Railroad Ave. Soil pile will be used to backfill the trench, any remaining soil should be properly disposed of.



Photo of Vault #7439 in Bridgeport being lowered into the trench.



Abandoned concrete wash-out basin located in the Kings Highway laydown yard. The basin has been covered to discourage future use and prevent rainwater from mixing with the drying concrete



New concrete and sweeper wash-out basin located in the Kings Highway laydown yard. The basin is now properly lined.



Photo showing stone berm that has been installed in the area that requires regular access by the Town of Fairfield in the Kings Highway laydown yard.



Photo of the Kings Highway laydown yard after soil surfaces were watered down before the mobilization of the night crews in an effort to prevent dust production.



Photo of completed, as well as currently active, portions of trench work being conducted in front of the Fairfield Inn.



Photo taken facing west of trenching activities west of Old Post Rd.



Photo of saw cutting activities along Rt. 1, west of Old Post Rd. Please note that the sweeper is immediately following saw cutting.



Catch basin properly protected in Old Post Rd. The inlet receives stormwater runoff from activities in front of the Fairfield Inn.



Photo taken of trenching activities on Rt. 1 between Round Hill Round Hill Rd. and Unquowa Rd.



Catch basins located in the parking area adjacent to Vault #6428. Excess sediment has been removed from around the inlet.



Island within parking area adjacent to Vault #6428 that has been restored and stabilized with hay mulch.