

**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 20, 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.

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	All work is within or adjacent to existing paved roadways at this time.	See erosion control section.	NA
	Slurry tracking from sawcutting southwest of vault #7537 was occurring as the area could not be isolated from traffic. 9/20/06	See erosion control section for more details. 9/20/06	NA
<b>Vault Openings and Trench Construction Bridgeport</b>	The majority of the excavated trench has been backfilled on Railroad Ave. between Wordin Ave. and Iranistan Ave. 9/20/06	None 9/20/06	NA
	Trench excavation continues east on Railroad Ave, between Wordin Ave. and Howard Ave, and between Howard Ave. and Hancock Ave. Sediment on roadways from construction activities is swept off of roadway upon completion of work in the area or at the close of the workday. 9/20/06	Continue to monitor and be proactive. Dust control has been an issue in other areas. Continue to sweep as soon as feasible. 9/20/06	Roadway was swept regularly. (Proactively)  Catch basins are protected. (Proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Fairfield</b>	<b>Activities have ceased and the trench repaved on Railroad Ave. between Lafayette St. and Warren St. 9/20/06</b>	<b>None. 9/20/06</b>	<b>Catch basins are protected.(Proactively)</b>
	<b>Trenching activities continue immediately to the north of Vault #7537. 9/20/06</b>	<b>See erosion and sediment controls section. 9/20/06</b>	<b>NA</b>
	<b>Work is complete at vault #6428 in a parking area adjacent to Old Post Rd. between Rennel Dr. and John St. The area and curbing has been repaved. 9/20/06</b>	<b>See erosion and sediment controls section. 9/20/06</b>	<b>Catch basins were protected.(Proactively)</b>
	<b>Trenching activities continue on Rt. 1 in Fairfield between Round Hill Road. and Unquowa Rd. 9/20/06</b>	<b>None. 9/20/06</b>	<b>Catch basins were protected.(Proactively)            Roadway was swept regularly.</b>
<b>Erosion and Sediment Controls            Bridgeport</b>	<b>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 9/20/06</b>	<b>Continue to also place gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. On Wordin Ave. where fabric could not be replaced in the basins, control of sediment at source is recommended. 9/20/06</b>	<b>Catch basins were protected.(Proactively)</b>
	<b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 9/20/06</b>	<b>Prevent dust migration by regularly watering down exposed soils and sweeping immediately. If exposed soils are not to be worked within 14-21</b>	<b>Needs regular attention</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Fairfield</b>	<p>Problems with dust were not observed this week. 9/20/06</p> <p>A catch basin at Old Post Rd has filter fabric in place but has an unprotected curb/gutter drop inlet. It has been determined that Old Post Road is not a state highway. 8/30/06 – 9/20/06</p> <p>Saw cutting was being conducted to the southwest of Vault #7537, in front of the access to Dunkin Donuts. Vehicles exiting were tracking the slurry. The remainder of the cut path was cordoned off. 9/20/06</p>	<p>days, they should be stabilized. 9/20/06</p> <p>None. 9/20/06</p> <p>Reinforce the fabric in this basin and install gutter buddy (or similar). 8/30/06 – 9/20/06</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 where it dies. 9/20/06</p>	<p>NA</p> <p>Needs attention</p> <p>Truck is sweeping this area.</p>
<b>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</b>	<p>Work on vault #6428 is complete in the parking area. The “islands” in the parking area still have disturbed soils. There is accumulated sediment around two of the three catch basins in the parking area but controls are in place. 9/20/06</p> <p>The abandoned concrete wash-out basin contains hardening concrete. 9/20/06</p> <p>An area for the sweeper truck to wash-out has been added to the new basin. 9/20/06</p>	<p>Stabilize any exposed soils if appropriate. Remove all accumulated sediment located near the catch basins. When soils are stabilized and sediment is removed from parking area, silt sacks could be removed if work is complete in the area. 9/20/06</p> <p>The concrete in the abandoned basin should be properly disposed of when dried and the basin removed. 9/20/06</p> <p>Additional geofabric should be added to the new concrete wash-out basin so that it covers the entire bottom of the basin, including the sweeper washout area.</p>	<p>Needs attention when feasible</p> <p>Needs attention when feasible</p> <p>Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>One area requires regular access by the Town of Fairfield and silt fence cannot be installed. New stone was placed here. 9/20/06</p>	<p>9/13/06 – 9/20/06            Stone berms or similar will be installed across the access-way to filter run-off. 9/13/06 – 9/20/06</p>	<p>Stone has been installed but not berm.</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 but is well controlled at this time. 9/20/06</p>	<p>See erosion control section. 8/30- 9/20/06</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. 9/20/06</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 9/20/06</p>	<p>None 9/20/06</p> <p>See erosion control section for recommendations. 9/20/06</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. 9/20/06</p> <p>Soils were being contained, tagged and transported appropriately. 9/20/06</p>	<p>See erosion control section for dust control. 9/20/06</p> <p>Continue to monitor. 9/20/06</p>	<p>NA</p> <p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area. 9/20/06</p>	<p>None 9/20/06</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Several areas that are no longer being worked along Railroad Ave have been seeded and mulched with hay appropriately. Gutter buddies were installed as berms 9/20/06</p>	<p>None. Continue to monitor for stabilization/vegetative cover. 9/20/06</p>	<p>Areas were restored.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Dewatering</b>	<b>Active dewatering was not noted at the time of inspection. 9/20/06</b>	<b>None 9/20/06</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting has been proposed. 9/20/06</b>	<b>None 9/20/06</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>A spill of less than a gallon of diesel fuel occurred on Kings Highway immediately in front of the laydown yard entrance. 9/20/06</b>	<b>Continue to react quickly to any spills and utilize appropriate kits. 9/20/06</b>	<b>The spill was noted cleaned.</b>
	<b>A spill of less than a gallon of diesel fuel occurred on Rt. 1 between Round Hill Rd. and Unquowa Rd.</b>	<b>Continue to react quickly to any spills and utilize appropriate kits. 9/20/06</b>	<b>The spill was noted and cleaned.</b>
	<b>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 9/20/06</b>	<b>None 9/20/06</b>	<b>NA</b>
	<b>Some equipment in the storage yard with the potential to leak was proactively contained. 9/20/06</b>	<b>None 9/20/06</b>	<b>Equipment was contained proactively.</b>
	<b>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 9/20/06</b>	<b>None 8/17/06 – 9/20/06</b>	
<b>Additional Observations</b>	<b>None 9/20/06</b>	<b>None 9/20/06</b>	<b>NA</b>

**Next likely scheduled inspection:** Wednesday September 27, 2006 (night inspection)

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



**Photo taken on Railroad Ave. looking towards its intersection with Wordin Ave. Exposed soils that are no longer being worked have been seeded and mulched with hay. This area also has a gutter buddy installed to help stabilize the soil.**



**Photo taken on Railroad Ave. between Wordin Ave. and Howard Ave. Exposed soils that are no longer being worked have been seeded and mulched with hay.**



**Photo of Kings Highway laydown yard taken facing northeast. The perimeter fence is located in the far right of the photo. Soil pile in the background will be relocated when original concrete basin is removed.**



**Original concrete washout basin located in the Kings Highway laydown yard. Concrete will be removed from basin when material has hardened, and the basin will be removed.**



**New concrete and sweeper wash-out area located away from the perimeter. Additional controls are needed in this area.**



**Access way need within the Kings Highway laydown yard for the Fairfield Sewer Department. A stone berm is to be added between the yard and the vegetated area.**



**A piece of equipment located in the Kings Highway laydown Yard has been proactively controlled from potential leaks from fluid filled hoses coming in direct contact with the ground.**



**Excavation activities for the trench that connects to Vault #7537. Excavator is located immediately above vault.**



**Photograph taken on Rt. 1 facing southwest of trench activities between Round Hill Rd. and Unquowa Rd.**



**Photo of trenching activities in same location as photo to the left. Crews were proactively sweeping pavement of soil as the trench was being excavated.**



**Photograph of parking area and catch basin located adjacent Vault #6428. Stain on pavement from spill last week has been cleaned and soiled silt sack has been replaced.**



**Photograph of the location of Vault #6428. Vault work is complete and curb has been re-paved. Exposed soil on island should be stabilized if appropriate.**



**Photograph of parking area and catch basin located adjacent to Vault #6428. Accumulated sediment should be removed on a regular basis.**



**Vault #7527 excavation activities consisted of removing bedrock.**



**Saw cutting area on Rt. 1 to the southwest of Vault #7537. The area could not be isolated from traffic due to the access to Dunkin Donuts being located in this area. This area and future areas like this need continuous attention to avoid tracking the slurry and the resulting airborne dust production.**



**Street sweeper cleaning slurry from the roadway that was created during saw cutting activities.**