

**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 13, 2006

**Inspector:** Katie Bednaz

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

**Rain Event:** No precipitation has been reported since the previous inspection (NOAA). However, there may be a gap in the 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	Excavated trench was being backfilled on Railroad Ave. between Worden Ave. and Iranistan Ave. 9/13/06	None 9/13/06	
	Trench excavation continues east on Railroad Ave, between Worden 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. 9/13/06	Continue to monitor and be proactive. Dust control has been an issue in other areas. Continue to sweep as soon as feasible. 9/13/06	Roadway was swept regularly. (Proactively) Catch basins are protected.(Proactively)
	Trench activities continue on Railroad Ave. between Lafayette St. and Warren St. 9/13/06	None. 9/13/06	Catch basins are protected.(Proactively)
	Utility work at the corner	See erosion and sediment	Exposed soil has been

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<p><b>Fairfield</b></p>	<p>of Broad St and Atlantic St. is complete. Disturbed areas were restored. 9/13/06</p> <p>The installation of Vault #7537 located on Rt. 130 to the east of the Rt. 1 and Rt. 130 intersection has been completed. Grass is already growing on restored soils. 9/13/06</p> <p>Work on vault #6428 continues in a parking area adjacent to Old Post Rd. between Rennel Dr. and John St. 9/13/06</p> <p>Trenching activities have commenced on Rt. 1 in Fairfield between Round Hill Road. and Unquowa Rd.</p>	<p>controls section. 9/13/06</p> <p>See erosion and sediment controls section. 9/13/06</p> <p>See erosion and sediment controls section. 9/13/06</p> <p>None. 9/13/06</p>	<p>seeded and mulched. 9/13/06</p> <p>Grass cover is present.</p> <p>Catch basins were protected.(Proactively)</p> <p>Catch basins were protected.(Proactively)</p>
<p><b>Erosion and Sediment Controls            Bridgeport</b></p>	<p>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 9/13/06</p> <p>Attempts were made to replace the filter fabric controls in the two catch basins located at the intersection of Railroad Ave. and Wordin Ave. However, the catch basin grate could not be removed. The fabric and sediment was removed without removing the grate but replacement controls could not be installed. 9/13/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 9/13/06</p>	<p>Continue to also place gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 9/13/06</p> <p>Proactively prevent sediment from entering catch basins. 9/13/06</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</p>	<p>Catch basins were protected.(Proactively)</p> <p>Attempts were made to maintain the controls. Needs regular attention.</p> <p>Needs regular attention</p>

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<b>Fairfield</b>	<p>Problems with dust were not observed this week. 9/13/06</p> <p>Grass is starting to stabilize in the restored areas at the vault #7537 location. 9/13/06</p>	<p>stabilized. 9/13/06</p> <p>None. 9/13/06</p> <p>Controls look secure and no erosion or sedimentation was noted. Maintain as needed. 9/13/06</p>	<p>NA</p> <p>Grass cover is establishing</p>
<b>Kings Highway Storage Yard (Off Kings Highway, near Rt. 1 rotary)</b>	<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 – 9/13/06</p> <p>Work on vault #6428 continues in the parking area. Sediment from last week was swept up further. 9/13/06</p> <p>Silt fence has been installed and properly toed in along the perimeter of the storage yard. 9/13/06</p> <p>The stockpile adjacent to the perimeter fence has been removed from that area. 9/13/06</p> <p>The designated concrete wash-out basin adjacent to the perimeter chain link fence was abandoned and a new basin was constructed internal to the site. 9/13/06</p> <p>One area requires regular access by the Town of Fairfield and silt fence cannot be installed. 9/13/06</p>	<p>Reinforce the fabric in this basin and install gutter buddy (or similar). 8/30/06 – 9/13/06</p> <p>None. 9/13/06</p> <p>Continue to maintain as needed. Pull back soil if necessary. 9/13/06</p> <p>Continue to store materials internal to the site when feasible. 9/13/06</p> <p>Additional geofabric should be added to the new concrete wash-out basin so that it covers the entire bottom of the basin. 9/13/06</p> <p>Stone berms or similar will be installed across the access-way to filter run-off. 9/13/06</p>	<p>Needs attention</p> <p>No sediment remains on the asphalt</p> <p>Silt fence has been properly installed.</p> <p>Stockpiled has been stored away from sensitive areas.</p> <p>The new basin has been constructed away from sensitive areas.</p> <p>Needs attention when feasible</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Inland Wetland and Watercourse encroachment and mitigation</b>	<b>The Kings Highway storage yard is located adjacent to potential resource areas and a concrete lined waterway but is well controlled at this time. 9/13/06</b>	<b>See erosion control section. 8/30- 9/13/06</b>	<b>NA</b>
<b>Staging, Storage, and Parking Areas</b>	<b>A contractor storage yard on Bostwick Ave contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>
	<b>A contractor storage yard is located off of Kings Highway near the Rt. 1 rotary. 9/13/06</b>	<b>See erosion control section for recommendations. 9/13/06</b>	<b>NA</b>
<b>Soils</b>	<b>Soils are exposed as part of the excavation for trench, vault, and utility work. 9/13/06</b>	<b>See erosion control section for dust control. 9/13/06</b>	<b>NA</b>
	<b>Soils were being contained, tagged and transported appropriately. 9/13/06</b>	<b>Continue to monitor. 9/13/06</b>	<b>NA</b>
<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. 9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<b>Three trees were removed as part of the Vault #6428 construction activities. These trees were specified on the project plans and were located within landscaped islands. 9/06-9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>
<b>Dewatering</b>	<b>Active dewatering was not noted at the time of inspection. 9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting has been proposed. 9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>A spill (likely from a broken hose) was noted</b>	<b>The spill (#2006-05825) was reported to DEP and</b>	<b>Spill reported to DEP and cleaned</b>

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	<p><b>on the asphalt adjacent to vault #6428 construction activities and migrated to a nearby catch basin. 9/13/06</b></p> <p><b>Spill cleanup materials/kits were observed in the storage yard. 9/13/06</b></p> <p><b>A small containment area was built in the Kings Highway storage area to hold some equipment 9/13/06</b></p> <p><b>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 - 9/13/06</b></p>	<p><b>cleaned. 9/13/06</b></p> <p><b>None. 9/13/06</b></p> <p><b>None 9/13/06</b></p> <p><b>None 8/17/06 - 9/13/06</b></p>	<p><b>NA</b></p> <p><b>Containment area built proactively</b></p> <p><b>NA</b></p>
<b>Additional Observations</b>	<b>None 9/13/06</b>	<b>None 9/13/06</b>	<b>NA</b>

**Next likely scheduled inspection:** Wednesday September 20, 2006 (night work)

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 on Railroad Ave. looking towards Iranistan Ave.**



**Photo taken on Railroad Ave. at its intersection with Wordin Ave. The trench in this area is being backfilled and trenching activities are progressing towards Howard Ave.**



**Photo of trench activities on Railroad Ave. between Wordin Ave. and Howard Ave.**



**Catch basin located at the intersection of Wordin Ave. and Railroad Ave. When attempting to refresh filter fabric, it was found that the grate could not be removed without potentially causing damage.**



**Trenching activities located on Railroad Ave. between Howard Ave. and Hancock Ave.**



**Catch basin protected at the intersection of Railroad Ave. and Hancock Ave.**



**Trench being backfilled with concrete on Railroad Ave. between Lafayette Ave. and Warren Ave.**



**Photograph taken on Broad St. near Atlantic Ave. of catch basin protection and previously disturbed soils seeded and mulched with hay.**



**Vault #7537 construction area on the shoulder of Rt. 1. Grass is rapidly establishing in the restored area. No erosion was observed in this area.**



**Photograph of former stockpile location and crews installing silt fence in the Kings Highway storage yard.**



**Containment area constructed within the Kings Highway storage area for the temporary storage of oil filled equipment.**



**New concrete washout basin within the Kings Highway yard. Improvements to the geotextile fabric liner are still needed.**





**Photograph of area within the Kings Highway storage yard that requires regular access by the Fairfield Sewer Dept. The access way can not be closed off with silt fence, other methods of control will be implemented. (i.e. stone berms)**



**Portion of silt fence against the perimeter fence within the Kings Highway storage yard that has soils piled against them. The soils should be pulled back so that the controls are not compromised.**



**Photograph of parking area adjacent to the vault #6428 construction. Please note the spill/stain on the pavement that travels to the protected catch basin. Please see report for further details.**



**Photograph of vault #6428 construction area on Old Post Rd. The trench is being backfilled.**