

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: August 23, 2006

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: 0.27" rain reported on 8/20 and trace amounts on 8/19 at Bridgeport CT; no other reported precipitation since the previous inspection (NOAA)

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	Trench was being excavated on Railroad Ave. between Warden Ave. and Iranistan 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. 8/23/06	Continue to monitor and be proactive. Dust control has been an issue in other areas. Continue to sweep as soon as feasible. 8/23/06	Roadway was swept regularly.
	A previously unmapped, brick, sewer conveyance system was also discovered in this area. 8/23/06	- Areas are being pumped to the combined sewer system during trench construction. 8/23/06	NA
	Near the intersection of Broad St. and Cottage St., trench excavation activities are being conducted to relocate utilities. Excavated soil is located on edge of trench to be used for backfill	See erosion and sediment controls section. 8/23/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>when work is complete. 8/23/06</p> <p>On Railroad Ave. between Lafayette St. and Warren St., trenching activities have started. 8/23/06</p> <p>During the evening excavation activities have commenced for the installation of Vault 7537 located on Rt. 130 to the east of the Rt. 1 and Rt. 130 intersection. All activities are being conducted within the adjacent lawn. 8/23/06</p> <p>Along Rt. 130, saw cutting activities occurred in the vicinity of Shoreham Village Dr. Some slurry and dust control issues were reported. 8/23/06</p>	<p>None. 8/23/06</p> <p>None 8/23/06</p> <p>See erosion and sediment controls section. 8/23/06</p>	<p>NA</p> <p>NA</p> <p>Addressed on site</p>
<p>Erosion and Sediment Controls</p> <p>Bridgeport</p> <p>Fairfield</p>	<p>Filter fabric has been installed in all catch basins adjacent to the construction activities. 8/23/06</p> <p>Any exposed soils have potential for airborne dust migration during the excavation of the trench. 8/23/06</p> <p>Excavated soil was being kept on edge of trench near the intersection of Broad St. and Cottage St. for backfill 8/23/06</p> <p>Along Rt. 130 (near Shoreham Village Dr), saw cutting activities had caused a slurry of fine sediment that accumulated along the edge of Rt. 130. Attempts</p>	<p>Continue to monitor. 8/23/06</p> <p>Prevent dust migration by regularly watering down exposed soils and sweeping immediately 8/10/06 - 8/23/06</p> <p>If rain is predicted or occurs, place haybales downgradient of the soil pile to prevent sediment migration. 8/23/06</p> <p>Prevent slurry from collecting along the edge of the roadway by having a street sweeper or hand brooms immediately follow saw cutting activities. This will also</p>	<p>Catch basins were protected (proactively)</p> <p>Needs regular attention</p> <p>Catch basin was protected (proactive)</p> <p>Addressed on site with a town rep. Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>were made to sweep up sediment with street sweeper. 8/23/06</p> <p>Dry sediment on roadways is causing observable dust migration and deposition on adjacent properties 8/23/06</p>	<p>aid in preventing the spread of the slurry across the roadway. 8/23/06</p> <p>The traffic that travels over the dried slurry causes dust migration. If dust migration continues to occur, additional methods need to be implemented. 8/23/06</p>	<p>Addressed on site with a town rep. Needs attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>No inland wetland or watercourses are located near the currently active construction areas 8/23/06</p>	<p>None 8/23/06</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. 8/23/06</p>	<p>None 8/23/06</p>	<p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench or vault work. 8/23/06</p> <p>Soils were being contained, tagged and transported appropriately. 8/23/06</p>	<p>See erosion control section for dust control. 8/23/06</p> <p>Continue to monitor. 8/23/06</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. 8/23/06</p>	<p>None 8/23/06</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Installation of Vault 7537 is located to the east of the Rt. 1 and Rt. 130 intersection. All activities are being conducted within the lawn adjacent to Rt. 130. 8/23/06</p> <p>Construction will be returning to the area where the roadside was disturbed due to removing railroad ties. 8/23/06</p>	<p>Attend to temporary restoration of roadside areas when work is complete. 8/23/06</p> <p>None. 8/23/06</p>	<p>NA until work is complete</p> <p>Construction will be returning</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Active dewatering was not noted at the time of inspection. 8/23/06	None 8/23/06	NA
Blasting	No blasting has been proposed. 8/23/06	None 8/23/06	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard; no spills or material storage problems were observed on site. 8/23/06	None. 8/23/06	NA
	Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 8/23/06	None 8/17/06 – 8/23/06	NA
Additional Observations	None 8/23/06	None 8/23/06	NA

Next likely scheduled inspection: Wednesday August 30, 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



Photo of trenching activities on the shoulder of Railroad Ave. near the intersection with Warden Ave. During excavation, crews encountered an unmapped, brick, sewer conveyance system. Hoses are diverting contents out of work area to the City's sewer system.



Photo of work along Railroad Ave. between Warden Ave. and Iranistan Ave. Catch basins in the area are protected.



Photo taken at the intersection of Rt. 130 (Post Road) and Shoreham Village Dr. looking southwest at Rt. 130. Saw-cutting in the roadway during nightwork created a slurry of fine sediments that has accumulated along the edge of Rt. 130. (Fairfield)



Photograph of parked vehicle on Shoreham Village Dr. that has been affected by dust migration from saw cutting activities. (Fairfield)



Photo of the construction activities associated with the installation of Vault 7537 adjacent to Rt. 130. (Fairfield)



Utility relocation construction activities near the intersection of Broad St. and Cottage St.



Photo taken from Railroad Ave. facing east looking at the intersection with Lafayette St. Catch basins are being protected.



Trench excavation activities on Railroad Ave. between Lafayette St. and Warren St.