

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 6, 2006

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: A total of 0.53” of rain was reported over 8/30-9/5, with the greatest daily precipitation of 0.3” on 9/3 (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	Excavated trench was present on Railroad Ave. between Worden Ave. and Iranistan Ave. Trench excavation continues east on Railroad Ave, between Worden Ave. and Howard 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. 9/06/06	Continue to monitor and be proactive. Dust control has been an issue in other areas. Continue to sweep as soon as feasible. 9/06/06	Roadway was swept regularly. (Proactively) Catch basins are protected.(Proactively)
	Trench activities continue on Railroad Ave. between Lafayette St. and Warren St. 9/06/06	None. 9/06/06	Catch basins are protected.(Proactively)
	Utility work at the corner of Broad St and Atlantic St. is complete. Small patches of soil remain exposed. 9/06/06	See erosion and sediment controls section. 9/06/06	Catch basins are protected.(Proactively)
	The installation of Vault	See erosion and sediment	Exposed soils have

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	<p>#7537 located on Rt. 130 to the east of the Rt. 1 and Rt. 130 intersection has been completed. Any exposed soils have been seeded and mulched. 9/06/06</p> <p>Work on vault #6428 has begun in a parking area adjacent to Old Post Rd. between Rennel Dr. and John St. 9/06/06</p>	<p>controls section. 9/06/06</p> <p>See erosion and sediment controls section. 9/06/06</p>	<p>been restored.</p> <p>Catch basins were protected.(Proactively)</p>
<p>Erosion and Sediment Controls Bridgeport</p> <p>Fairfield</p>	<p>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 9/06/06</p> <p>Any exposed soils have potential for airborne dust migration. 8/23-9/06/06</p> <p>Problems with dust were not observed this week. 8/30/06</p> <p>Silt fence and haybales are in place for work at vault #7537. All disturbed soil has been seeded and mulched with hay. 9/06/06</p> <p>A catch basin at Old Post Rd has filter fabric in place but has an unprotected curb/gutter drop inlet. 8/30/06 – 9/6/06</p> <p>Work on vault #6428 has</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. 9/06/06</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. 8/10/06–9/06/06</p> <p>None 9/06/06</p> <p>Monitor area during and after rain events to determine if sediment is migrating into roadway. If so, additional controls should be implemented. 9/06/06</p> <p>Reinforce the fabric in this basin and install gutter buddy (or similar). (However, if this is considered state highway, gutter buddies may not be permitted.) 8/30/06 – 9/60/06</p> <p>If remaining sediment on</p>	<p>Catch basins were protected.(proactively)</p> <p>Needs regular attention</p> <p>NA</p> <p>Exposed soils were seeded and mulched. 9/06/06</p> <p>Needs attention</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Storage Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>begun in a parking area adjacent to Old Post Rd. between Rennel Dr. and John St. Paved area surrounding excavation site appeared to be swept when sediment was wet, leaving some. 9/06/06</p> <p>Negligible sediment tracking was noted on Kings Highway from the yard. The improvements to the stone construction entrance and the material placed to reduce mud in the yard have helped. 9/06/06</p> <p>Silt fence has been installed along most of the perimeter of the storage yard. However, portions of the fence has not been installed properly; either slumping or not toed-in. 9/06/06</p> <p>A stockpile is located adjacent to the perimeter fence with no controls containing it from potential resource areas. 8/30- 9/06/06</p> <p>A designated concrete wash-out basin was constructed but is located adjacent to the perimeter chain link fence. 9/06/06</p>	<p>the asphalt migrates, or becomes airborne, creating dust, the area should be re-swept to remove remaining sediment on asphalt. 9/06/06</p> <p>Continue to sweep roadway when necessary.9/06/06</p> <p>Controls should be installed properly to contain yard and prevent sedimentation to sensitive areas. 8/30/06</p> <p>Erosion controls should encircle soil stockpile and/or soil pile should be stored away from adjacent sensitive areas.8/30- 9/06/06</p> <p>The basin should be relocated away from sensitive areas. 9/06/06</p>	<p>Roadway has been swept and no notable sediment was present. 9/06/06</p> <p>Silt fence has been installed but portions still needs attention. 9/06/06</p> <p>Needs attention</p> <p>Concrete washout basin has been constructed but still needs attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Kings Highway storage yard is located adjacent to potential resource areas and a concrete lined waterway. 8/30- 9/06/06</p>	<p>See erosion control section. 8/30- 9/06/06</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.</p>	<p>None 9/06/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	9/06/06 A contractor storage yard is located off of Kings Highway near the Rt. 1 rotary. 9/06/06	See erosion control section for recommendations. 9/06/06	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 9/06/06 Soils were being contained, tagged and transported appropriately. 9/06/06	See erosion control section for dust control. 9/06/06 Continue to monitor. 9/06/06	NA 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. 9/06/06	None 9/06/06	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	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. 9/06/06	None 9/06/06	NA
Dewatering	Active dewatering was not noted at the time of inspection. 9/06/06	None 9/06/06	NA
Blasting	No blasting has been proposed. 9/06/06	None 9/06/06	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. 9/06/06 Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 9/06/06	None. 9/06/06 None 8/17/06 – 9/06/06	NA NA
Additional Observations	None 9/06/06	None 9/06/06	NA

**Next likely scheduled
inspection:**

Wednesday September 13, 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 on Railroad Ave. looking towards Wordin Ave. of trench excavating activities.



Example of appropriate catch basin protection associated with the utility work on and in the vicinity of Atlantic Ave and Broad Street.



Photo of trench excavation activities on Railroad Ave. between Lafayette Ave. and Warren Ave. Photo taken facing Lafayette Ave.



Appropriate catch basin protection at the corner of Lafayette Ave. and Railroad Ave.



Vault #7537 construction area on the shoulder of Rt. 1. Work is complete in this area and disturbed soils have been seeded and mulched. Continue to monitor and repair/reinforce controls if runoff to the roadway is noted.



Catch basin located on Old Post Road. This basin accepts most stormwater associated with the vault #7537 construction. Controls should be installed if appropriate with CTDOT specifications.



Waterway located off Kings Highway adjacent to the storage yard.



Construction entrance of the Kings Highway storage yard. Very minor amounts of sediment were tracked on the roadway in comparison to last week's inspection. The controls were improved



Kings Highway storage yard and construction entrance. The material used to reduce mud in the yard has visibly reduced vehicle tracking



Silt fence/erosion controls still need to be properly installed in this area between the yard (and stockpile) and the waterway



Silt fence has been installed between the Kings Highway storage yard and waterway. Portions of the silt fence have not been installed properly, either slumping or not toed-in.



Photo of a lined pit, designated for concrete wash-out which has been installed since last week's inspection. However, it is located adjacent to the perimeter fence and would be best moved away from the sensitive areas.



Photograph of vault #6428 construction on Old Post Road. It appears that sweeping the sediment from the asphalt had been attempted, but some was left behind. Watch for sediment migration or dust production and re-sweep if necessary.

Photo of vault #6428 construction. Three trees were removed from the landscaped islands to accommodate the construction activities.



Photo of properly protected catch basin located in parking lot adjacent to vault 27 construction activities.