

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: November 29, 2006

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Approximately 1.91” of rain were recorded since the previous inspection in Bridgeport, CT (NOAA 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.	Not Applicable (NA)
Vault Openings and Trench Construction Bridgeport	Trenching activities continue: on Railroad Ave. between Iranistan Ave. and South Ave; near the intersection of Railroad Ave. and Bostwick Ave.; and in the portion of land between Broad St. and Main Ave. 11/29/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 11/29/06	Catch basins are protected.(Proactively)
	Trenching activities have been initiated immediately adjacent to Railroad Ave. at its intersection with Howard Ave.	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 11/29/06	NA
Fairfield	Trenching activities are complete on Rt. 1 from Pine Creek Rd. to Beaumont St. 11/29/06	See erosion control section. 11/29/06	NA
	Trenching activities have	None 11/29/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>been re-initiated on Rt. 1 near its intersection with Pequot Ave. 11/29/06</p> <p>Trenching activities have commenced on Rt. 1 near its intersection with Fairfield Pl. These activities may include the installation of Vault #7531.</p> <p>Vault #7533 has been installed within the roadway, on the south side of Rt. 1 at its intersection with Ruane St. Paving of excavated area was being conducted. 11/29/06</p> <p>Trenching activities have commenced on Rt. 1 south of its intersection with Benson Rd. 11/29/06</p>	<p>None 11/29/06</p> <p>This vault location is reflected in the 8/15/06 approved version of the D&M plan, and is revised from the 2/5/06 plan set. 11/29/06</p> <p>See erosion controls section. 11/29/06</p>	<p>NA</p> <p>NA.</p> <p>NA</p>
<p>Erosion and Sediment Controls Fairfield/Bridgeport</p> <p>Bridgeport</p>	<p>Filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 11/29/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 11/29/06</p> <p>Problems with dust were not observed this week. 11/29/06</p> <p>An unprotected catch basin is located on private property at the corner of Railroad Ave. and Bostwick Ave. Sediment from project construction activities has the potential</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. 11/29/06</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. 11/29/06</p> <p>None. 11/29/06</p> <p>Prevent sediment from entering catch basin or install controls if feasible. 11/15-11/29/06</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p> <p>Needs attention if feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Fairfield</p> <p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>to reach this inlet. 11/15-11/29/06</p> <p>The soil stockpile on Railroad Ave. (near its intersection with Bostwick Ave.) has been removed 11/29/06</p> <p>Some sediment is located within Railroad Ave. near its intersection with South St. 11/29/06</p> <p>Catch basin located adjacent to trenching activities on Rt. 1 near its intersection with Benson Rd. is unprotected. 11/29/06</p> <p>While the majority of the perimeter silt fence was maintained around the yard, a small gap was noted along the fence near the resource area. 11/15-11/29/06. Another section of fence here is down. 11/29/06</p> <p>Materials were piled on the perimeter silt fence, compromising the integrity of the controls. 11/20-11/29/06</p> <p>Another concrete washout area was constructed. The capacity of the basin is limited and it is not lined. The basin is near capacity and does not appear to contain washout adequately. 11/29/06</p>	<p>None. 11/29/06</p> <p>Soil should be removed or contained so that it does not migrate to a catch basin. 11/29/06</p> <p>Install controls if feasible. 11/29/06</p> <p>Maintain the integrity and stability of the perimeter controls in the yards. 11/15-11/29/06</p> <p>Remove materials from silt fence and stabilize controls as necessary. 11/20-11/29/06</p> <p>Maintain a functioning, lined concrete washout basin. All washout remains within the yard at this time. 11/29/06</p>	<p>Soil pile has been removed.</p> <p>Needs attention when feasible.</p> <p>Needs attention.</p> <p>Needs attention.</p> <p>Needs attention.</p> <p>Needs attention.</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. 11/29/06</p>	<p>See erosion control section. 11/29/06</p>	<p>NA</p>

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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. Oil containers are also well covered. 11/29/06	None 11/29/06	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. Reserve spill kits are located in the equipment trailers. 11/29/06	See erosion control section. 11/29/06	NA
	A temporary storage area is being used at the intersection of Railroad Ave. and Iranistan Ave. Construction materials and frac tanks are being stored in this area. 10/27-11/29/06	None. 11/29/06	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 11/29/06	Most areas are temporarily stabilized. See erosion control section regarding stockpiles. 11/29/06	NA
	Soils were being contained, tagged and transported appropriately. 11/29/06	None. 11/29/06	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.	None	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	A tire rut was noted in the shoulder of Broad St. Most other recently disturbed areas have been seeded or mulched along the shoulders of the roadway. 10/27/06-11/29/06	Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27- 11/29/06	NA
	Four ornamental plum	Stabilize/restore area	Needs attention when

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>trees were removed from the Vault #7536 location. 11/01-11/29/06</p> <p>Five trees were removed along an island on the northern side of Pequot Ave. in Fairfield. 11/29/06</p>	<p>when appropriate. 11/29/06</p> <p>The removal is reflected in the 8/15/06 approved version of the D&M plan, and is revised from the 2/5/06 plan set. 11/29/06</p>	<p>work is complete.</p> <p>NA.</p>
Dewatering	Water from trench work is filtered by frac tanks and released appropriately to the sanitary sewer system via PVC pipe. 11/29/06	Continue to monitor: Attempts have been made to protect the pipe inlet and prevent sediment from readily entering the system 11/29/06	The pipe inlet had some controls in place.
Blasting	No blasting has been proposed. 11/29/06	None 11/29/06	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 11/29/06</p> <p>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17- 11/29/06</p> <p>The equipment attachment containment area located in the laydown yard was not fully enclosed with controls. 11/08- 11/29/06</p>	<p>None 11/29/06</p> <p>None 8/17-11/29/06</p> <p>Continue to improve and enclose the containment area. 11/15- 11/29/06</p>	<p>NA</p> <p>Removal of ties continues.</p> <p>Needs attention when feasible.</p>
Additional Observations	None 11/29/06	None 11/29/06	NA

Next likely scheduled inspection: Wednesday December 6, 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, BSC Group

Reviewer: Diana Walden, BSC Group



Photo of trenching activities at the intersection of Railroad Ave. and Howard Ave.



Photo of trenching activities located between Broad St. and Main St.



Photo of trenching activities on Railroad Ave. north of South St. Sediment in roadway should be removed as feasible.



Photo of privately owned yard located immediately adjacent to trenching activities on Railroad Ave., south of Bostwick Ave. There is potential for sediment from construction activities to enter the catch basin.



Photo of trenching activities located along Railroad Ave. at its intersection with Bostwick Ave. Catch basin shown in previous photo is located to the left of this view.



Photo of the contractor trailer and covered oil containment area at the contractor storage yard on Bostwick Ave.

King's Highway Laydown Yard



Attachment containment area in western side of the yard is not fully enclosed with controls.



Photo of the concrete washout basin. The basin is not lined to isolate the washout from underlying soils, and it appears to be inadequately sized for storage.

King's Highway Laydown Yard Continued



Both photos show areas along the perimeter silt fence which are in need of repair. This is along the edge of the yard adjacent to the sensitive areas.



A portion of the perimeter controls on the side of the yard to adjacent to sensitive areas were overwhelmed by construction materials.



The construction entrance is well maintained and no evidence of sediment tracking was observed.



Photo of vault # 7537 location in front of the Fairfield Inn. No evidence of erosion was noted.



Four trees have been removed along Pequot Ave in Fairfield. This is reflected in the 8/15/06 version of the D&M plans.



Trenching activities along Rt. 1 near its intersection with Mill Plain Rd.



Construction activities on Rt. 1 at its intersection with Ruane St. The crews are applying asphalt to what appears to be the area excavated for the installation of Vault # 7533. This vault location is reflected in the 8/15/06 version of the D&M plans.