

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 1, 2006 (Evening inspection)

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Approximately 1.47" 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.	NA
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between Wordin Ave. and South St. 11/01/06	None. 11/01/06	NA
	Trench excavation and utility work continues at the intersection of Railroad Ave. and Bostwick Ave. 11/01/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize they are completed. Continue to sweep roadway as soon as feasible. 11/01/06	Catch basins are protected.(Proactively)
	Trenching activities continue near the intersection of Broad St. and Atlantic Ave. 11/01/06	None. 11/01/06	Catch basins are protected.(Proactively)
Fairfield	Trenching activities have been re-initiated on Railroad Ave. at its intersection with Park Ave. 11/01/06	None. 11/01/06	NA
	Trenching activities continue on Rt. 1 from	None. 11/01/06/06	NA

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>the Iranistan Ave. temporary storage area</p> <p>Roadways were recently swept. 11/01/06</p> <p>Deep tire ruts were noted within the seeded and mulched area along Railroad Ave. 11/01/06</p> <p>At Vault #7537, a line of silt fence is located between the sidewalk and Rt. 1. Erosion remains in the strip between the roadway and the silt fence but additional sedimentation was not an issue following the rain. 11/01/06</p> <p>The concrete washout basin is at capacity. 11/01/06</p> <p>Perimeter erosion controls adjacent to resource areas and western yard boundary are being stressed by storage materials. 11/01/06</p> <p>Two catch basins down gradient of construction activities on Mill Plain Rd. need controls. 11/01/06</p>	<p>None. 11/01/06</p> <p>Re-grade area to removed ruts and temporarily stabilize. 11/01/06</p> <p>Stabilize the area as it tends to washout with each rain event. Stone may be appropriate here. 10/20/06 - 11/01/06</p> <p>Remove concrete from basin to restore capacity if feasible. If not, an additional basin may need to be constructed. 10/13-11/01/06</p> <p>Maintain the integrity of perimeter erosion controls. 11/01/06</p> <p>Install controls as necessary. 11/01/06</p>	<p>Roadways were swept</p> <p>Needs attention.</p> <p>No evidence of sediment migration since last weeks inspection.</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. 11/01/06</p>	<p>See erosion control section. 11/01/06</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</p>	<p>None 11/01/06</p>	<p>NA</p>

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	<p>trailers, and available parking. Reserve spill kits are located in the equipment trailers. 11/01/06</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 11/01/06</p> <p>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. 10/27-11/01/06</p>	<p>See erosion control section. 11/01/06</p> <p>None. 11/01/06</p>	<p>NA</p> <p>NA</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 11/01/06</p> <p>Vac trucks are being used to remove soil from the trench in areas with high density of utility lines. 11/01/06</p> <p>Soils were being contained, tagged and transported appropriately. 11/01/06</p>	<p>Most areas are temporarily stabilized. See erosion control section. 11/01/06</p> <p>None. 11/01/06</p> <p>Continue to monitor. 11/01/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 11/01/06	None 11/01/06	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Several areas that are no longer being worked along Railroad Ave have been seeded and mulched with hay appropriately. Some grass growth was noted. Tire ruts were noted here. 11/01/06</p> <p>Four ornamental plum trees were removed from the Vault #7536 location.</p>	<p>Continue to monitor for stabilization. Grade out tire tracks. 11/01/06</p> <p>Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27- 11/01/06</p> <p>Restore area when appropriate. 11/01/06</p>	<p>Needs attention.</p> <p>Needs attention when work is complete.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	11/01/06		
Dewatering	Dewatering activities were noted at Vault #7536 at the time of inspection. Water was being directed to a vac truck. 11/01/06	Continue to appropriately contain and/or filter all water from excavations. 11/01/06	NA
Blasting	No blasting has been proposed. 11/01/06	None 11/01/06	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard and on job trucks. 11/01/06	None 11/01/06	NA
	All equipment attachments were being used in the field at the time. 11/01/06	All fluid filled attachments should be contained as they have been previously. 11/01/06	NA.
	Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 11/01/06	None 8/17/06 – 10/27/06	Removal of ties has been initiated.
Additional Observations	None 11/01/06	None 11/01/06	NA

Next likely scheduled inspection:

Wednesday November 8, 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



Former trench location on Railroad Ave that has temporarily stabilized with grass.



Photograph taken on Railroad Ave. near its intersection with Wordin Ave. of former trench location that has tire tracks. Tire ruts should be regraded and the area temporarily stabilized.



Photograph of soil pile at the intersection of Railroad Ave. and Wordin Ave. If pile is to remain, it should be temporarily stabilized.



Vault #7536 construction. Four ornamental plum trees were removed for vault construction.



Former trench location on Broad Street that had hay mulch sparsely applied or that had blown away. Mulch should be re-applied and possibly tackified to protect exposed soils.



Photograph taken from Mill Plain Rd. of trenching activities of on Rt. 1. Just behind photo is an overpass with two unprotected catch basins on Mill Plain Rd. that need controls.



Photograph of unused bucket where hydraulic hoses were stored to contain any drips/leaks of fluids.



Photo of Rt. 1 trenching activities. Roadway being swept immediately following excavation of trench.

KING'S HIGHWAY LAYDOWN YARD



Fluid filled attachment containment area within yard. All equipment was in use at the time of inspection. Continue to store in a fully contained area.



Erosion controls adjacent to resource area, and along the boundary of the yard are being compromised by stored materials.



Sweeper washout area being overwhelmed and the concrete washout area is at capacity. All materials remain contained to the yard.



Stockpile being stored adjacent to site boundary/ perimeter fence near the resource area. Move further into the yard.