

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 15, 2006

Inspector: Lennox Keen

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Approximately 0.89” 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)
	The catch basin located at the intersection of Railroad Ave. and Bostwick Ave. appears to be collapsing. It is located immediately adjacent to trenching activities. 11/15/06	Evaluate the cause and responsibility behind the collapse and determine if basin needs to be restored. 11/15/06	Needs evaluation.
Vault Openings and Trench Construction Bridgeport	Trenching activities continue on Railroad Ave. between Iranistan Ave. and Smith Ave. and at the intersection of Broad St. and Atlantic Ave 11/15/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 11/15/06	Catch basins are protected.(Proactively)
	Trench excavation and utility work continues near the intersection of Railroad Ave. and Bostwick Ave. 11/15/06	None. 11/15/06	NA
	Trenching activities have started in the portion of land between Broad St. and Main Ave. 11/15/06	None. 11/15/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	Trenching activities continue on Rt. 1 from: Old Post Rd to North/South Benson Rd.; at Granville Ave.; from River St. to Mill Hill Rd; and at the intersection with Pine Creek Rd. 11/15/06	None. 11/15/06/06	NA
	Trenching activities continue on Rt. 1 at its intersection with Mill Plain Rd. 11/15/06	See erosion control section. 11/15/06	NA
	Vault #7536 construction activities are complete. 11/15/06	See erosion control section. 11/15/06	NA
	Work on Vault # 5430 at the intersection of Rt. 1 and River Street is complete. 11/15/06	See erosion control section. 11/15/06	NA
Erosion and Sediment Controls Fairfield/Bridgeport	Filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 11/15/06	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 11/15/06	Catch basins were protected.(Proactively)
	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 11/15/06	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. 11/15/06	Needs regular attention but good efforts were noted
	Problems with dust were not observed this week. 11/15/06	None. 11/15/06	NA
	Stockpiles remain within the Iranistan Ave. temporary storage area. However, issues were not noted even during the rain. 11/01 – 11/15/06	Protect soil piles from erosion and sedimentation as a preventative measure. 11/01/06 – 11/15/06	Needs attention when feasible.
Bridgeport	Tire ruts within the seeded and mulched area	Continue to temporarily stabilize as needed.	Tire ruts have been repaired.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and Sediment Controls continued</p> <p>Fairfield</p> <p>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>along Railroad Ave were repaired. 11/15/06</p>	<p>11/15/06</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 is traveling to this inlet. 11/15/06</p>	<p>Prevent sediment from entering catch basin or install controls if feasible. 11/15/06</p>	<p>Needs attention.</p>
	<p>Sediment from the Vault #5430 construction activities has been removed from the gutter on River St. 11/15/06</p>	<p>Continue to remove sediment from roadways by hand if the street sweeper cannot reach it. 11/15/06</p>	<p>Sediment has been removed.</p>
	<p>Work on Vaults #5430 and #7536 is complete. Exposed soils remain where vault work occurred. 11/15/16</p>	<p>Temporarily stabilize exposed soils. 11/15/06</p>	<p>Needs attention when feasible.</p>
	<p>Catch basin located in the roadway in front of Vault # 7536 does not have controls in place. 11/08-11/15/06</p>	<p>Protect catch basin from potential migrating sediment. 11/08-11/15/06</p>	<p>Needs attention.</p>
	<p>Two catch basins down gradient of construction activities on Mill Plain Rd. need controls. 11/01-11/15/06</p>	<p>Install controls as necessary. 11/01-11/15/06</p>	<p>Needs attention.</p>
	<p>Concrete washout basin was removed. Sweeper washout water is still being retained. 11/15/06</p>	<p>Continue to contain washout area as necessary. 11/15/06</p>	<p>Basin has been removed.</p>
	<p>Minor sediment tracking was observed on the roadway from the yard. 11/15/06</p>	<p>Sediment in roadway should be swept. Continue to work on containing sediment to the yard. 11/15/06</p>	<p>Needs attention.</p>
	<p>Some of the perimeter silt fence is not at its full height (stormwater run-off was almost able to overtop), and a small gap was noted along the fence</p>	<p>Maintain the integrity and stability of the perimeter controls in the yards. 11/15/06</p>	<p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and Sediment Controls continued	near the resource area. 11/15/06		
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 11/15/06	See erosion control section. 11/15/06	NA
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. 11/15/06	None 11/15/06	NA
	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 11/15/06	See erosion control section. 11/15/06	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. 10/27-11/15/06	See erosion control section regarding stockpiles. 11/15/06	NA
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 11/15/06	Most areas are temporarily stabilized. See erosion control section regarding stockpiles. 11/15/06	NA
	Soils were being contained, tagged and transported appropriately. 11/15/06	Continue to monitor. 11/15/06	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. 11/15/06	None 11/15/06	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Exposed soils remain at recently installed vault work areas. 11/15/06	Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27- 11/15/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Four ornamental plum trees were removed from the Vault #7536 location. 11/01-11/15/06</p>	<p>Stabilize/restore area when appropriate. 11/15/06</p>	<p>Needs attention when work is complete.</p>
<p>Dewatering</p>	<p>Filtered water from frac tanks is being released appropriately to the sanitary sewer system via PVC pipe. However, the pipe inlet has the potential of letting sediment into the system 11/15/06</p>	<p>Provide controls to the inlet/pipe to prevent potential sedimentation. 11/15/06</p>	<p>Needs attention</p>
<p>Blasting</p>	<p>No blasting has been proposed. 11/15/06</p>	<p>None 11/15/06</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 11/15/06</p> <p>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 11/15/06</p> <p>All equipment attachments were stored in the King's Highway laydown yard at the time of the inspection. The attachment containment area located along the western boundary of the yard did not appear fully enclosed. 11/8-11/15/06</p> <p>A pile of asphalt material was stored at the Kings Highway yard. Runoff from the pile had a sheen and was pooling at the controls adjacent to the resource area. 11/15/06</p>	<p>None 11/15/06</p> <p>None 8/17/06 – 11/15/06</p> <p>Continue to improve and enclose the containment area. 11/8-11/15/06</p> <p>Contain all run-off and consider placing a tarp over this pile to reduce exposure. 11/15/06</p>	<p>NA</p> <p>Removal of ties has been initiated.</p> <p>Needs attention when feasible.</p> <p>Needs attention</p>
<p>Additional Observations</p>	<p>None 11/15/06</p>	<p>None 11/15/06</p>	<p>NA</p>

**Next likely scheduled
inspection:**

Monday November 20, 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:

Lennox Keen, BSC Group

Reviewer:

Diana Walden & Katie Bednaz, BSC Group



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



Photo of trenching location on Broad St. at its intersection with Atlantic Ave. that had adjacent tire ruts. Repair as needed.



Trenching activities on Railroad Ave. near its intersection with Park Ave. Loose sediment was being swept from the roadway.



Trenching activities at the intersection of Railroad Ave. and Bostwick Ave.



Filtered water from frac tanks is being discharged to sanitary sewer system via PVC pipe. The PVC pipe inlet does not have controls in place, potentially allowing sediment into the system.



A catch basin located at the intersection of Railroad Ave. and Bostwick Ave. appears to be collapsing. Evaluate whether nearby trenching activities are responsible.



Material pile within the Kings Highway Laydown yard that is in close proximity to the adjacent resource area. Runoff from the pile contains a sheen and was collecting against the controls.



Entrance to the Kings Highway Laydown Yard. Some minor sediment tracking from the yard was noted on the roadway.



Both photos are of the former concrete washout basin and sweeper washout area in the Kings Highway Laydown Yard. The concrete basin has been removed and the sweeper washout area remains, (shown to the left). Continue to effectively contain the run-off to the yard.



Location of Vault #7536. Vault installation appears to be complete. Disturbed soils should be temporarily stabilized.



Location of Vault # 5430. Vault installation appears to be complete. Disturbed soils should be temporarily stabilized.