

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: December 6, 2006

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: Approximately .54” 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; and between South Ave. and Park Ave., near the intersection of Railroad Ave. and Bostwick Ave.; in the portion of land between Broad St. and Main Ave.; and near the intersection with Howard Ave. 12/06/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 12/06/06	Catch basins are protected.(Proactively)
	Trenching activities have commenced on Railroad Ave. approximately 100 feet north and south of Myrtle Ave. 12/06/06	Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as needed. 12/06/06	NA
Fairfield	Trenching activities continue on Rt. 1 near its	None 12/06/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>intersection with Pequot Ave; and south of its intersection with Benson Rd. 12/06/06</p> <p>Trenching activities are complete on Rt. 1 near its intersection with Fairfield Pl. Activities may include the installation of Vault #7531. 12/06/06</p> <p>All activities are complete at the installation of Vault #7533 on Rt. 1 at its intersection with Ruane St. 12/06/06</p> <p>Vault #7540 installation activities have commenced on Rt. 1 near its intersection with Fox St. 12/06/06</p> <p>Trenching activities have commenced on Rt. 1 north of Unaquowa Pl. 12/06/06</p>	<p>None 12/06/06</p> <p>According to the contractor, 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. 12/06/06</p> <p>See erosion controls section. 12/06/06</p> <p>See erosion controls section. 12/06/06</p>	<p>NA</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. 12/06/06</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 12/06/06</p> <p>Problems with dust were not observed this week. 12/06/06</p> <p>A line of haybales was installed adjacent to the</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. 12/06/06</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. 12/06/06</p> <p>None. 12/06/06</p> <p>Continue to monitor. 12/06/06</p>	<p>Catch basins were protected.(Proactively)</p> <p>Needs regular attention but good efforts were noted</p> <p>NA</p> <p>Catch basin has been adequately protected.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	construction activities to protect a catch basin is located on private property at the corner of Railroad Ave. and Bostwick Ave. 12/06/06		
	Soil was removed from the roadway of Railroad Ave. near its intersection with South St. 12/06/06	None. 12/06/06	Soil pile has been removed
	Catch basin located on Rt. 1 near the intersection with Benson Rd. has controls in place. 12/06/06	Continue to monitor. 11/6/06	Catch basin is protected.
	Catch basin located on Rt. 1 near its intersection with Unaquowa Pl. is unprotected. 12/06/06	Install controls if feasible. 12/06/06	Needs attention if feasible.
	Catch basin located on Rt. 1 near its intersection with Fox St. is unprotected. 12/06/06	Install controls if feasible. 12/06/06	Needs attention if feasible.
Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)	The portion of perimeter fence along the side of the yard adjacent to the resource area was repaired. 12/06/06	Continue to maintain the integrity and stability of the perimeter controls in the yards. 11/15-12/06/06	Portion of silt fence was repaired..
	Materials from last week have been removed but new material is compromising the perimeter silt fence. 12/06/06	Remove materials from silt fence and stabilize controls as necessary. 11/20/06-12/06/06	Materials from last week have been removed but still needs attention.
	The concrete washout basin is now lined and adequately sized. 12/06/06	Continue to maintain a functioning concrete washout basin. 12/06/06	A new basin has been adequately constructed.
	Airborne dust migration was observed during our site visit due to windy conditions and equipment movement in the yard. 12/06/06	If necessary, evaluate measures to prevent dust migration (i.e., regularly watering down exposed soils). 12/06/06	Needs attention when feasible.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>All stockpiles were located away from the side of the yard adjacent to the sensitive area. 12/06/06</p>	<p>None. 12/06/06</p>	<p>NA</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. 12/06/06</p>	<p>See erosion control section. 12/06/06</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. 12/06/06</p> <p>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. 12/06/06</p> <p>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. 10/27-12/06/06</p>	<p>None 12/06/06</p> <p>See erosion control section. 12/06/06</p> <p>None. 12/06/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 12/06/06</p> <p>Soils were being contained, tagged and transported appropriately. 12/06/06</p>	<p>Most areas are temporarily stabilized. See erosion control section regarding stockpiles. 12/06/06</p> <p>None. 12/06/06</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.</p>	<p>None</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Tire ruts were noted in the shoulder of Railroad Ave. Most other recently disturbed areas have been seeded or mulched along the shoulders of the roadway. 10/27/06-12/06/06</p> <p>Four ornamental plum trees were removed from the Vault #7536 location. 11/01-12/06/06</p> <p>Five trees were removed from the northern tree belt of Pequot Ave. in Fairfield last week. 12/06/06</p>	<p>Continue to place mulch or other temporary stabilization on exposed surfaces. 10/27- 12/06/06</p> <p>Stabilize/restore area when appropriate. 12/06/06</p> <p>According to the contractor, 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. 12/06/06</p>	<p>NA</p> <p>Needs attention when work is complete.</p> <p>NA.</p>
Dewatering	<p>Water from trench work is filtered by frac tanks and released appropriately to the sanitary sewer system via PVC pipe. 12/06/06</p>	<p>Continue to monitor; Attempts have been made to protect the pipe inlet and prevent sediment from readily entering the system 12/06/06</p>	<p>The pipe inlet had some controls in place.</p>
Blasting	<p>No blasting has been proposed. 12/06/06</p>	<p>None 12/06/06</p>	<p>NA</p>
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 12/06/06</p> <p>It appears that all excavated railroad ties have been removed from site. 12/06/06</p> <p>The equipment attachment containment area located along the western boundary of the laydown yard has been fully enclosed with controls. 12/06/06</p>	<p>None 12/06/06</p> <p>None 12/06/06</p> <p>None. 12/06/06</p>	<p>NA</p> <p>It appears that all ties have been removed.</p> <p>The containment area was fully enclosed.</p>
Additional Observations	<p>None 12/06/06</p>	<p>None 12/06/06</p>	<p>NA</p>

**Next likely scheduled
inspection:**

Wednesday December 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, BSC Group

Reviewer:

Diana Walden, BSC Group



Vault #7540 installation activities on Rt. 1 near its intersection with Fox St. Photos were taken from the Fox St. intersection; Photo to the left was taken facing north, photo to the right was taken facing south.



Photo taken from Railroad Ave. of trenching activities near its intersection with Bostwick Ave. Private storage yard with catch basin downgradient of activities is in background. A line of haybales have been placed between construction activities and catch basin to prevent sedimentation.



Photo of Vault #7536 location remains to be restored, but is temporarily stabilized.

King's Highway Laydown Yard



Some airborne dust was noted in the yard during vehicle movement. Evaluate methods to control dust if necessary.



The portion of perimeter silt fence along the side of the yard adjacent to the sensitive area was repaired as recommended since the last inspection.



Newly constructed concrete washout basin that is properly lined with fabric and has additional storage capacity.



Equipment attachment storage area has now been fully enclosed with controls as recommended.