

**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:** October 13, 2006

**Inspector:** Katie Bednaz

**Location:** Singer Substation to Fairfield/Westport Town Line

**Rain Event:** Approximately 3.44” of rain were recorded over 10/11-10/12 in Bridgeport, CT (NOAA data)

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	All work is within or adjacent to existing paved roadways at this time.	See erosion control section.	NA
<b>Vault Openings and Trench Construction Bridgeport</b>	Trenching activities on Railroad Ave. between Wordin Ave. and South St. continue. 10/13/06	None 10/13/06	NA
	All trenching activities have been completed between Wordin Ave. and Bostwick Ave. The disturbed area has been seeded and mulched with some grass growth noted. 10/13/06	None 10/13/06	Catch basin are protected. (Proactively)  Disturbed areas were seeded and mulched.
	Trench excavation and utility work continues at the intersection of Railroad Ave. and Bostwick Ave. 10/13/06	Continue to monitor and be proactive. Continue to seed and mulch areas as they are completed. Continue to sweep as soon as feasible. 10/13/06	Catch basins are protected.(Proactively)
	Trenching activities continue near the intersection of Broad St. and Atlantic Ave. 10/13/06	None. 10/13/06	Catch basins are protected.(Proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Fairfield</b>	<b>Installation of Vault # 7546 adjacent to Railroad Ave. north of Bostwick Ave. appears to be complete. 10/13/06</b>	<b>None. 10/13/06</b>	<b>N/A</b>
	<b>Work near Vault #7537 continues. The disturbed soils at the vault have been stabilized with seed and hay mulch. 10/13/06</b>	<b>See Erosion and Sediment Controls section. 10/13/06</b>	<b>NA</b>
	<b>Trenching activities continue on Rt. 1 from Old Post Rd to North Benson Rd. 10/13/06</b>	<b>None. 10/13/06</b>	<b>Catch basins were protected.(Proactively)</b>  <b>Roadway was swept regularly.</b>
	<b>Trenching activities are ongoing at the intersection of Rt. 1 and Reef Rd. 10/13/06</b>	<b>See Erosion and Sediment Controls section. 10/13/06</b>	<b>NA</b>
	<b>Trenching activities have commenced on Rt. 1 from Bungalow Ave. to Granville St. 10/13/06</b>	<b>See Erosion and Sediment Controls section. 10/13/06</b>	<b>NA</b>
<b>Erosion and Sediment Controls            Bridgeport</b>	<b>Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 10/13/06</b>	<b>Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 10/13/06</b>	<b>Catch basins were protected.(Proactively)</b>
	<b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 10/13/06</b>	<b>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. 10/13/06</b>	<b>Needs regular attention but good efforts were noted</b>
	<b>Gullies that formed by in recently mulched areas along Railroad Ave were graded out. 10/13/06</b>	<b>None 10/13/06</b>	<b>NA</b>
	<b>Problems with dust were not observed this week. 10/13/06</b>	<b>None. 10/13/06</b>	<b>NA</b>
<b>Fairfield</b>	<b>At Vault #7537, a line of</b>	<b>Remove all sediment</b>	<b>Needs attention</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Kings Highway Lay-down Yard (Off Kings Highway, near Rt. 1 rotary)</b></p>	<p><b>silt fence is located between the sidewalk and Rt. 1. A section of exposed soil remains along this strip. Recent rains caused soil to run-off into the roadway and to the catch basin located on Old Post Rd. 10/13/03</b></p>	<p><b>from roadway. Apply mulch and seed to prevent further erosion of this area. 10/13/06</b></p>	
	<p><b>One catch basin on Reef Rd. is located down gradient of the trenching activities on Rt. 1 and does not have controls in place. 10/13/06</b></p>	<p><b>Use appropriate controls to protect basin. 10/13/06</b></p>	<p><b>Needs attention</b></p>
	<p><b>The soil pile from the abandoned concrete wash-out basin was relocated away from the perimeter fence. 10/04/06</b></p>	<p><b>None. 10/13/06</b></p>	<p><b>Soil pile has been removed.</b></p>
	<p><b>The sweeper truck wash-out area is not contained within the designated area but remains well contained within the yard. 10/04-10/13/06</b></p>	<p><b>Implement methods to contain all truck wash-out material to the basin. 10/04-10/13/06 This was exacerbated by the recent rain.</b></p>	<p><b>Needs attention.</b></p>
	<p><b>The concrete washout basin is almost to capacity. 10/13/06</b></p>	<p><b>Remove concrete from basin to restore capacity if feasible. If not, an additional basin may need to be constructed. 10/13/06</b></p>	<p><b>Needs regular attention.</b></p>
	<p><b>The soil piles located in the westerly portion of the yard were hydro-mulched per erosion control guidelines. 10/13/06</b></p>	<p><b>Soil piles that are inactive for 30 days should be stabilized with a fast growing seed mix. 10/13/06</b></p>	<p><b>Hydro-mulch has been applied to soil piles.</b></p>
	<p><b>Equipment attachments with fluid-filled hoses were contained appropriately with proactive spill controls. 10/13/06</b></p>	<p><b>None. 10/13/06</b></p>	<p><b>Containment for attachments has been provided proactively</b></p>
	<p><b>Materials being stored in the yard were stored</b></p>	<p><b>Prevent material from being stored on or against</b></p>	<p><b>Needs regular attention.</b></p>

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	<p>against the erosion control fence, putting pressure on the fence. 10/13/06</p>	<p>the erosion controls as this practice can potentially damage the fencing, reducing its effectiveness 10/13/06</p>	
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 10/13/06</p>	<p>See erosion control section. 10/13/06</p>	<p>NA</p>
<p><b>Staging, Storage, and Parking Areas</b></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. 10/13/06</p> <p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. 10/13/06</p>	<p>None 10/13/06</p> <p>See erosion control section. The yard is well contained at this time with a few potential improvements. 10/04 – 10/13/06</p>	<p>NA</p> <p>NA</p>
<p><b>Soils</b></p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 10/13/06</p> <p>Vac trucks are being used to remove soil from the trench in areas with high density of utility lines. 10/13/06</p> <p>Soils were being contained, tagged and transported appropriately. 10/13/06</p>	<p>See erosion control section. 10/13/06</p> <p>None. 10/13/06</p> <p>Continue to monitor. 10/13/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area. 10/13/06</p>	<p>None 10/13/06</p>	<p>NA</p>
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p>Several areas that are no longer being worked along Railroad Ave have been seeded and mulched</p>	<p>None. Continue to monitor for stabilization/vegetative cover. 10/13/06</p>	<p>Areas were restored and sparse vegetation is establishing.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>with hay appropriately. Some grass growth was noted. A few erosive gullies were also graded out here. 10/13/06</b>		
<b>Dewatering</b>	<b>Active dewatering was not noted at the time of inspection. 10/13/06</b>	<b>None 10/13/06</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting has been proposed. 10/13/06</b>	<b>None 10/13/06</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits were observed in the storage yard and on job trucks. 10/13/06</b>	<b>None 10/13/06</b>	<b>NA</b>
	<b>Equipment attachments with fluid-filled hoses are now stored over liners serving as spill containment. 10/13/06</b>	<b>None. 10/13/06</b>	<b>Containment was provided proactively.</b>
	<b>Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 - 10/13/06</b>	<b>None 8/17/06 - 10/13/06</b>	<b>NA</b>
<b>Additional Observations</b>	<b>None 10/13/06</b>	<b>None 10/13/06</b>	<b>NA</b>

**Next likely scheduled inspection:** Wednesday October 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:** Katie Bednaz, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Trenching activities near the intersection of Atlantic Ave. and Broad St. Please note that controls are in place in the catch basin.**



**Former location of garage/shed on Broad St. that has been removed for utility installation.**



**Location of Vault #7546 that has been installed adjacent to Railroad Ave.**



**Utility work on at the intersection of Bostwick Ave. and Railroad Ave.**

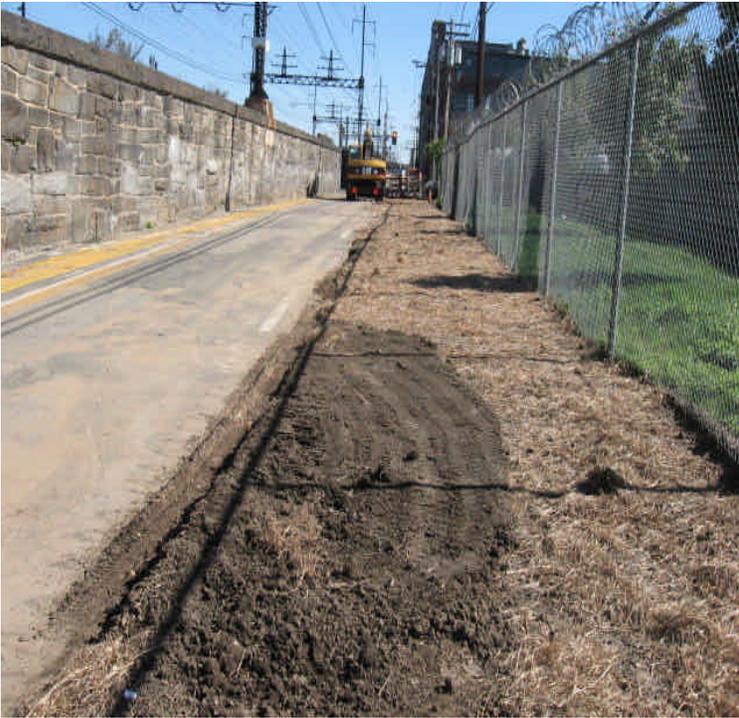


Photo of exposed soils stabilized with seed and hay mulch. The area that is not mulched was recently re-graded to remove gullies that had formed along the roadway from the recent rainfall.



Photo taken on Railroad Ave. facing the intersection of Wordin and Railroad Ave.



Photo of Vault # 7537 adjacent to Rt. 1. The majority of exposed soils have been stabilized with hay mulch but exposed soil between the silt fence and Rt 1 has eroded resulting in sedimentation along the roadway to the catch basin.



Catch basin located on Old Post Rd. that receives runoff from the Vault # 7537 area. Sediment has accumulated in this area. The gutter buddy was removed during the rain event due to ponding of water in this area.

## **KINGS HIGHWAY LAYDOWN YARD PHOTOGRAPHS**



**Attachments with fluid-filled hoses are being appropriately stored in the yard with proactive spill controls in place.**



**Sweeper washout area is not containing all of the washout run-off to the basin. The recent rainfall has exacerbated the situation but run-off remains contained to the yard.**



**Concrete washout basin is reaching capacity. Material should be removed in order to restore capacity or an additional basin could be created.**



**Inactive soil piles within the yard have been seeded appropriately to control potential dust production, per the erosion control guidelines.**