

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: August 30, 2006

Inspector: Katie Bednaz

Location: Singer Substation to Fairfield/Westport Town Line

Rain Event: A total of 8.05” of rain was reported over 8/25-8/30, with the greatest daily precipitation of 4.15” on 8/27 (NOAA)

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	Trench was being excavated on Railroad Ave. between Warden Ave. and Iranistan Ave. Sediment on roadways from construction activities is swept off of roadway upon completion of work in the area or at the close of the workday. 8/30/06	Continue to monitor and be proactive. Dust control has been an issue in other areas. Continue to sweep as soon as feasible. 8/30/06	Roadway was swept regularly. (Proactively) Catch basins are protected. (Proactively)
	The unmapped, brick, sewer conveyance system discovered in this area has been sealed off and is no longer being pumped. 8/30/06	None 8/30/06	NA
	Near the intersection of Broad St. and Cottage St., trench excavation activities are complete. Roadway has been patched with asphalt. 8/30/06	None 8/30/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Fairfield	On Railroad Ave. between Lafayette St. and Warren St., trenching activities continue. 8/30/06	None. 8/30/06	NA
	A small area of utility work was noted at the corner of Broad St and Atlantic St. 8/30/06	None. 8/30/06	NA
	During nightwork, excavation activities continue for the installation of Vault #7537 located on Rt. 130 to the east of the Rt. 1 and Rt. 130 intersection. All activities are being conducted within the adjacent lawn. 8/30/06	See erosion and sediment controls section. 8/30/06	Silt fence has been installed between work area and Rt. 130.
Erosion and Sediment Controls Bridgeport	Filter fabric or filter socks are installed in all catch basins adjacent to the construction activities. 8/30/06	Any catch basins with a curb/gutter drop inlet should also have a gutter buddy (or similar) installed to prevent sediment from entering basin. 8/30/06	Catch basins were protected (proactively)
	Any exposed soils have potential for airborne dust migration. 8/23-8/30/06	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. 8/10/06 - 8/30/06	Needs regular attention
	Along Rt. 130 (near Shoreham Village Dr), the accumulated fine sediment caused by saw cutting activities last week had been removed from along the edge of	Continue to prevent slurry from collecting along the edge of the roadway by having a street sweeper or hand brooms immediately follow saw cutting	Previous sediment accumulation was removed
Fairfield			

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Kings Highway Storage Yard (Off Kings Highway, near Rt. 1 rotary)</p>	<p>the roadway. 8/30/06</p>	<p>activities. This will also aid in preventing the spread of the slurry across the roadway and dust production. 8/23/06-8/30/06</p>	
	<p>Problems with dust were not observed this week. 8/30/06</p>	<p>If dust migration continues to occur, additional methods need to be implemented. 8/30/06</p>	<p>Roadside sediment was removed.</p>
	<p>Silt fence was installed for work at vault #7537. Some disturbed soil remains between the fence and the roadway. 8/30/06</p>	<p>Stabilize any areas adjacent to the work that are not active. 8/30/06</p>	<p>Silt fence was installed.</p>
	<p>A catch basin at Old Post Rd has some filter fabric in place but has an unprotected curb/gutter drop inlet. 8/30/06</p>	<p>Reinforce the fabric in this basin and install gutter buddy (or similar). (However, if this is considered state highway, gutter buddies may not be permitted.) 8/30/06</p>	<p>Needs attention</p>
	<p>Sediment tracking was noted on Kings Highway from the yard. A stone construction entrance was recently installed and new material was being spread to reduce mud in yard. 8/30/06</p>	<p>Roadway should be swept. If tracking continues, additional control methods should be implemented. 8/30/06</p>	<p>Stone construction tracking pad has been constructed</p>
	<p>Storage yard is bordered on the east by a perimeter chain link fence. However, potentially jurisdictional wetlands and a concrete lined swale are located immediately adjacent. No controls are in place to contain yard. 8/30/06</p>	<p>Controls should be installed to contain yard and prevent sedimentation to sensitive areas. 8/30/06</p>	<p>Needs attention</p>
<p>A stockpile is located adjacent to perimeter fence with no controls containing it from potential resource areas.</p>	<p>Erosion controls should encircle soil stockpile and/or soil pile should be stored away from adjacent wet</p>	<p>Needs attention</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>8/30/06</p> <p>A concrete washout was noted immediately adjacent to perimeter fence with no controls established to prevent concrete from entering potential resource areas. 8/30/06</p>	<p>areas. 8/30/06</p> <p>A designated concrete washout area should be located away from sensitive areas and contained. 8/30/06</p>	Needs attention
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway storage yard is located adjacent to potential resource areas and a concrete lined swale/waterway and requires controls. 8/30/06	See erosion control section. 8/30/06	Needs attention
Staging, Storage, and Parking Areas	<p>A contractor storage yard on Bostwick Ave contains frac tanks, trailers, and available parking. Reserve spill kits are located in the equipment trailers. 8/30/06</p> <p>A contractor storage yard is located off of Kings Highway near the Rt. 1 rotary. 8/30/06</p>	<p>None 8/30/06</p> <p>See erosion control section for recommendations. 8/30/06</p>	<p>NA</p> <p>NA</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 8/30/06</p> <p>Soils were being contained, tagged and transported appropriately. 8/30/06</p> <p>Some of the soils stored and tested at the O&G yard were sent to an appropriate disposal facility. 8/30/06</p>	<p>See erosion control section for dust control. 8/30/06</p> <p>Continue to monitor. 8/30/06</p> <p>Soils appear to be handled appropriately. 8/30/06</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. 8/30/06	None 8/30/06	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Installation of Vault 7537 is located to the east of the Rt. 1 and Rt. 130 intersection. All activities	Stabilize exposed soil between the erosion controls and Rt. 130 to prevent sediment from	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	are being conducted within the lawn adjacent to Rt. 130. 8/30/06	reaching catch basin. Attend to temporary restoration of roadside areas when work is complete. 8/30/06	
Dewatering	Active dewatering was not noted at the time of inspection. 8/30/06	None 8/30/06	NA
Blasting	No blasting has been proposed. 8/30/06	None 8/30/06	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard; no spills or material storage problems were observed on site. 8/30/06	None. 8/30/06	NA
	Excavated railroad ties are piled up and stored off the roadway to be removed from the site. 8/17/06 – 8/30/06	None 8/17/06 – 8/30/06	NA
Additional Observations	None 8/30/06	None 8/30/06	NA

Next likely scheduled inspection: Wednesday September 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

Reviewer: Diana Walden



Bridgeport: Photo of trenching activities on the shoulder of Railroad Ave. near the intersection with Warden Ave.



Photo of work along Railroad Ave. between Warden Ave. and Iranistan Ave.



Trench excavation activities on Railroad Ave. between Lafayette St. and Warren St.



Gutter buddy installed to protect curb drop inlet on Lafayette St. at the intersection with Railroad Ave.



Utility work being conducted within the shoulder of Broad St. at the intersection of Atlantic St. Work includes an approximately 6 x 6 foot area. Disturbed soils should be permanently stabilized/revegetated if no further work is required in area.



Catch basin near utility work. A gutter buddy (or similar) should be installed along the curb drop inlet of the catch basin to prevent sediment from entering the stormwater drainage system.



Fairfield: Photo of the intersection of Rt. 130 (Post Road) and Shoreham Village Dr. looking southwest at Rt. 130. The slurry of fine sediments created by saw-cutting and noted during the last inspection had been removed from along the gutter of Rt 130.



Catch basin located on Old Post Road. This basin receives most stormwater associated with the vault #7537 construction. BSC recommends that a more stable fabric and a gutter buddy* be installed to protect the curb drop inlet portion of the basin.



Vault #7537 construction area on the shoulder of Rt. 1. Additional controls should be placed between the disturbed soils and Rt. 1.



Tracked sediment from storage yard located off Kings Highway near the Rt 1 rotary in Fairfield. Sediment should be swept off the roadway on a regular basis.



Photo taken facing Kings Highway at the newly installed construction entrance within the storage yard.



Photo taken facing north at the Kings Highway storage yard. Crews were spreading new loan material to reduce mud in the yard. Potentially jurisdictional resource areas are located to the east.



Photo taken facing northeast at the Kings Highway storage yard. The soil stockpile does not have erosion controls and no controls are present at the perimeter fence to contain the yard from the adjacent wet areas and armored swale.



Photo taken facing northeast at concrete lined waterway/swale and adjacent wet areas. Kings Highway storage yard is located immediately to the west of the perimeter fence.



Photograph of Kings Highway storage yard immediately adjacent to perimeter fence. Erosion controls should be installed to contain the yard from the waterway/swale and wet areas on the other side of the fence.



Photo of a concrete washout noted immediately adjacent to perimeter fence. A designated, contained washout area should be established and located away from the edge of the yard.