

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 4b Underground Line

Date: May 10, 2007

Inspector: Katie Bednaz

Location: Fairfield/Westport Town Line to Westport Avenue in Norwalk

Rain Event: Only a trace of precipitation was reported since the previous inspection. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within existing paved roadways at this time. 5/10/07	None. 5/10/07	NA (Not applicable)
Vault Openings and Trench Construction Westport	Construction trenching activities were active at sta. #178 to #181, #213 to #215, #277 to #278, #280 to #281, #311 to #315, #329 to #331, and #355 to #357. 5/10/07	See Erosion and Sediment Control sections of this report for additional details. 5/10/07	NA
	Construction was also active at vault #13. 5/10/07	None. Continue to restore/stabilize exposed soil when feasible. 5/10/07	NA
Erosion and Sediment Controls Westport	Filter fabric or filter socks have been placed in <u>most</u> catch basins that are down-gradient of/ adjacent to construction activities. 5/10/07	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. Install controls where necessary. 5/10/07	Catch basins were protected.(Proactively) Additional attention needed in some locations.
	Although active work is not occurring here, silt fence remains between the road and the brook of Imperial Ave at sta. #260	Ensure that silt fence is in good condition if work resumes here. 5/10/07	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)	<p>5/10/07</p> <p>Erosion controls were installed adjacent to the construction activities at Vault #13 to protect Stoney Brook. Haybale checkdams were noted at existing drainage swales. 5/10/07</p>	<p>Continue to monitor the controls to ensure run-off and sediment are contained. 5/10/07</p>	<p>Good controls are in place.</p>
	<p>Airborne dust migration was not noted within the Kings Highway lay-down yard at the time of inspection, but has been noted during past inspections. Calcium chloride has been applied to reduce the potential for dust migration. 5/10/07</p>	<p>Continue to prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 5/10/07</p>	<p>Calcium chloride was applied proactively.</p>
	<p>Concrete washout or slurry was deposited in an uncontained location. 5/10/07</p>	<p>Properly dispose of the observed material and provide containment for future washouts. 5/10/07</p>	<p>Needs attention</p>
Sherwood Island lay-down yard	<p>Silt fence has been overwhelmed by soil/materials in one location along the perimeter of the yard. 5/10/07</p>	<p>Pull the material back into the yard and repair the compromised erosion controls. 5/10/07</p>	<p>Needs attention</p>
	<p>The only stormwater discharge point has been controlled well with haybale and silt fence barriers. 5/10/07</p>	<p>Continue to monitor the controls and reinforce or adjust as necessary. 5/10/07</p>	<p>NA</p>
Imperial Ave lay-down yard	<p>Sediment tracking at the yard's entrance was negligible during this week's inspection. 5/10/07</p>	<p>Continue to maintain stone construction access pad if necessary and/or sweep sediment from roadway on a regular basis. 5/10/07</p>	<p>No issues noted but needs regular attention.</p>
	<p>Sediment accumulation/drainage patterns were observed in the yard from a small soil pile in a direction towards the adjacent resource area.</p>	<p>Soil pile could be proactively removed or relocated to a contained location to prevent migration towards the adjacent resource area.</p>	<p>No issues noted but proactive attention could be provided.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	No sediment was observed beyond the limits of the erosion controls. 5/10/07	5/10/07	
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. 5/10/07	See erosion control section. 5/10/07	NA
	The Imperial Ave. lay-down yard is surrounded by the Saugatuck River on the southwestern, western, and northern sides. The majority of the yard is isolated from the nearby resource areas by an earthen berm. 5/10/07	See erosion control and spill and material storage section. 5/10/07	NA
Staging, Storage, and Parking Areas	A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. This is being used for both 4a and 4b activities. 5/10/07	See Erosion Control section and Spills and Material Storage section for more detail. 5/10/07	NA
	A contractor lay-down yard is located off of Imperial Ave. in Westport. Stockpiles of materials remain contained to the yard at this time but were overflowing beyond the storage bins. 5/10/07	See erosion control section. Continue to monitor piles for stability and containment. 5/10/07	NA
	A contractor lay-down yard is located within Sherwood Island State Park. Multiple controls were used to stabilize the yard from the beginning. 5/10/07	See Erosion Control section for more details. Continue to monitor the one stormwater discharge point. 5/10/07	NA
Soils	No significant issues with tracking or soil storage were observed at this time. 5/10/07	Continue to restore exposed soils when feasible and mitigate for dust as necessary. See erosion control section.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
		5/10/07	
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Only minor clearing of individual trees has been necessary at this time. 5/10/07 Minor amounts of soil has been exposed as part of the Vault #19 construction activities. A portion of the exposed soil has been stabilized with stone. 3/15-5/10/07	Cleared trees have been approved for removal in accordance with the D&M plan. 5/10/07 Continue to stabilize the exposed soil when work in the location is completed for an extended period of time. 5/10/07	NA Needs attention when active construction is complete.
Dewatering	Dewatering activities were not being conducted at the time of the inspection. 5/10/07	None. If dewatering becomes necessary, discharge water should be appropriately contained and/or filtered. 5/10/07	NA
Blasting	No blasting has been proposed. 5/10/07	None 5/10/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 5/10/07	Ensure that spill kits are also present with each vehicle during active construction. 5/10/07	NA
King's Highway lay-down yard	Fluid filled equipment in the yard is being proactively stored on liners or similar containment. 5/10/07	Continue to monitor. Good proactive controls are being used. 5/10/07	NA
Imperial Ave lay-down yard	Fluid filled equipment was not noted within the yard. 5/10/07 Stone being stored within jersey barriers has spilled beyond the containment bins but materials remain	If storage of fluid filled equipment within the yard is necessary consider storing equipment on a liner or similar so that any spills are proactively contained. 5/10/07 Attempt to contain all materials within their designated areas. 5/10/07	NA Needs proactive attention when feasible.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	contained within the yard's boundary. 5/10/07		
Additional Observations	None 5/10/07	None 5/10/07	NA

Next likely scheduled inspection: Thursday May 17, 2007

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



Both photos are of vault #13, located adjacent to Stoney Brook (shown on Right). Erosion controls were adequately installed between construction activities and the Brook, taking into account existing drainage patterns.



Both photos were taken in the Imperial Ave. lay-down yard. Left: Materials are overwhelming their containment areas but remain within the yard. Right: Sediment accumulation/drainage patterns were noted within the yard. Continue to prevent the migration of the sediment towards the nearby resource area.

King's Highway Lay-down Yard



Fluid filled equipment is being adequately and proactively stored in a lined containment area.



Slurry or concrete washout was deposited in an uncontained location within the yard. Concrete washout should occur in a proper containment area.



Material is overwhelming the perimeter controls in one location. Pull the soil back and restore the controls.



Calcium chloride has been applied to the yard in an effort to prevent dust migration proactively.