

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: September 5, 2007

Inspector: Katie Bednaz

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

Rain Event: No 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. 9/5/07 The paved drive outside of the Sherwood Island lay-down yard is regularly swept and sediment tracking does not appear to be an issue at this time. Airborne dust migration was noted this week. 9/5/07	None. 9/5/07 Continue to sweep the access drive on a regular basis or as needed. See Erosion Control Section for more detail. 9/5/07	NA (Not applicable) Sediment tracking does not appear to be an issue at this time
Vault Openings and Trench Construction Westport/Norwalk	Construction/trenching activities were observed at the time of the inspection at sta. #132 to #134, #201 to #202, #217 (Stony Brook), #218 to #219, #267, #290 to #293, #300 to #302, #366 to #368, #383, #399 to #401, #413 to #414, #430 and #431 to #432. 9/5/07	See Erosion and Sediment Control sections of this report for additional details. 9/5/07	NA
Erosion and Sediment Controls	Filter fabric or filter socks have been placed in catch basins that are down-	Continue to place a gutter buddy (or similar) in any catch basins with a	Catch basins were protected. (Proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk Norwalk lay-down yard (Also used for Segment 4c – see that report for more details)	gradient of/adjacent to construction activities. 9/5/07	curb/gutter drop inlet to prevent sediment from entering basin. Install controls where necessary. 9/5/07	Continue to monitor.
	The yard appears to not be fully active at this time. One side of the yard is lined with perimeter erosion controls (silt fence and haybales). The area adjacent to the Norwalk River is protected by an existing concrete dock. No exposed soils/materials are present on site. 9/5/07	Install barrier controls between the Norwalk River in locations that runoff may flow from the yard to the River before materials are brought to site. The existing concrete slab/dock provides a good barrier. 9/5/07	
Westport	Area of exposed soil near sta. #360 was previously seeded and is approximately 60% vegetated. 9/11/07	Continue to monitor vegetative growth to ensure final stabilization. 9/11/07	NA at this time
	Although active work is not occurring here, silt fence remains between the road and the brook of Imperial Ave. at sta. #260. 9/5/07	Ensure that the silt fence is in good condition if work resumes here. 9/5/07	NA at this time
	The flow of Stony Brook remains diverted past construction activities through a flume. Erosion control blankets remain on a small portion of the top of slope but the stone walls are being reconstructed along both banks. 9/5/07	The area remains well controlled. See Inland Wetlands section for more details. 9/5/07	NA at this time
Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)	Over the past few weeks, perimeter erosion controls have been overwhelmed by stored materials in two locations at the yard. 8/8-9/5/07	Re-establish the controls where necessary. 8/8-9/5/07	Needs attention
Sherwood Island lay-down yard	The controls at the stormwater discharge	Continue to monitor and maintain the controls as	Needs some maintenance.

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	<p>point at the yard remain in place but a tree branch has fallen on the silt fence at the rear of the yard. 8/30 – 9/5/07</p> <p>Dust migration associated with vehicle traffic within the yard was observed during the inspection. 9/5/07</p>	<p>necessary. Remove the branch and reestablish the small section of silt fence. 8/30 – 9/5/07</p> <p>Implement controls to reduce potential for airborne dust migration. 9/5/07</p>	<p>Needs regular attention.</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. The Norwalk yard is bound on the westerly side by the Norwalk River. 9/5/07</p> <p>Stony Brook is currently diverted/flumed to accommodate construction activities. A boom was in place during the inspection to aid in reducing the velocity of flow at the outlet of the flume pipe. Stone walls are being re-constructed along the banks. 9/5/07</p>	<p>See erosion control section. 9/5/07</p> <p>Continue to monitor activities for compliance with the D & M Plan. As trenching is completed through the stream, evaluate whether a trench breaker or plug will be needed to prevent flow from leaving the stream channel underground. 9/5/07</p>	<p>NA</p> <p>Needs evaluation.</p>
<p>Staging, Storage, and Parking Areas</p>	<p>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. 9/5/07</p> <p>A contractor lay-down yard is located within Sherwood Island State Park. Multiple controls were used to stabilize the yard. Multiple pieces of equipment have been observed, stored outside the fenced perimeter of the yard (from 6/21 through 8/30/07). Only</p>	<p>See Erosion Control section for more detail. 9/5/07</p> <p>Continue to monitor the one stormwater discharge point. See the spills section for more detail. 9/5/07</p>	<p>NA</p> <p>It appears that storage of materials immediately outside of yard is acceptable.</p>

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	<p>once piece of equipment was observed outside of the fence this week. 9/5/07</p> <p>The contractor lay-down yard located at 6 Smith Street in Norwalk is covered in the 4c report. 9/5/07</p>	<p>Please see the 4c report for more detail. 9/5/07</p>	<p>NA</p>
<p>Soils</p>	<p>A small pile of sand was noted within the paved parking area immediately adjacent to Stony Brook. The pile was not contained. 9/5/07</p>	<p>Adequately contain exposed soil pile to prevent it from migrating off site. 9/5/07</p>	<p>Needs attention.</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>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Minor amounts of soil have been exposed as part of the vault #7, #8, #19, and #20 construction activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or mulch. 3/15-9/5/07</p> <p>The area immediately adjacent to Stony Brook (sta. #217) had been grubbed in preparation for stream crossing activities (7/25).The stone walls along the banks are being reconstructed. 9/5/07</p> <p>Vault #12 work area is temporarily stabilized with hard pack and hay mulch. Trees were removed to accommodate work. 9/5/07</p>	<p>Continue to stabilize the exposed soil. If exposed soils are not to be worked within 30 days, they should be stabilized within 7 days of the last activity. 9/5/07</p> <p>Cleared trees were approved for removal in accordance with the D&M plan. See the Erosion Control and Inland Wetlands sections for more details 9/5/07</p> <p>Cleared trees have been approved for removal in accordance with the D&M plan. Restore as required by the D & M Plan when feasible. 9/5/07</p>	<p>Continue to restore the areas.</p> <p>NA at this time</p> <p>NA at this time</p>

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	Vault #20 has controls in place to contain exposed soils. 9/5/07	Continue to monitor until fully stabilized. 9/5/07	NA at this time.
Dewatering	Dewatering activities were being conducted at the time of the inspection from the trench at the Stony Brook crossing. Trench water was being discharged to a frac tank, then processed through a mobile filtering unit and finally discharged to the diverted stream. 9/5/07	Continue to appropriately contain and/or filter discharge water. 9/5/07	NA
	The Norwalk storage yard is set up to appropriately handle dewatering from this section of the project. Water is settled/filtered in the tanks stored here and then permitted to enter a sanitary sewer connection. 9/5/07	Continue to appropriately contain and/or filter discharge water. 9/5/07	NA
Blasting	No blasting has been proposed. 9/5/07	None 9/5/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 9/5/07	Ensure that spill kits are also present with each vehicle during active construction. 9/5/07	NA
	The fluid-filled equipment/ attachment was not observed outside of the designated location within the King's Highway lay-down yard this week. 9/5/07	Continue to proactively store all fluid filled equipment in the designated contained locations. 9/5/07	Needs regular attention
	Concrete washout was not observed at sta. #217 within the entrance to the car dealership this week. 9/5/07	In general, remove and properly dispose of concrete. Any concrete washout should be properly contained in an approved location. 9/5/07	Materials have been removed.
	The leaky excavator, noted outside of the	None at this time. 9/5/07	Equipment is being stored properly.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Sherwood Island yard last week, was moved inside the yard and properly stored on a stone/ plastic liner. 9/5/07		
Additional Observations	None 9/5/07	None 9/5/07	NA

Next likely scheduled inspection: Tuesday September 11, 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: Lee Curtis, BSC Group



Photograph taken at sta. #217, adjacent to Stony Brook. An uncontained pile of sand was observed within the parking area.



View of the entrance to the Sherwood Island lay-down yard. The roadway is relatively free of tracked sediment.



A hard packing material covers the work area at vault #23. Continue to monitor to ensure material does not migrate from the construction area.



Erosion controls within the King's Highway lay-down yard remain compromised.