

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: August 8, 2007

Inspector: Katie Bednaz

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

Rain Event: 0.11” of precipitation was reported since the previous inspection with 0.7” of precipitation recorded on 8/6. (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. 8/08/07 The stone within Sherwood Island lay-down yard is clogged with soil in some areas, which regularly causes minimal tracking on the paved drive outside of the yard. (Noted since 6/13) However, no tracking was observed during this week's inspection. 8/08/07	None. 8/08/07 Continue to reduce tracking and airborne dust from the yard and sweep the access drive on a regular basis or as needed. 8/2/07 Refresh or clean stone at the yard when feasible. 7/13-8/08/07	NA (Not applicable) No issues noted but needs regular attention.
Vault Openings and Trench Construction Westport/Norwalk	Construction/trenching activities were ongoing at the time of the inspection at sta. #139 to #136, #161 to #163, #217 (Stony Brook), #268 to #269, #283 to #286, #301 to #302, #367 to #368, #380 to #381, #384, #390 to #394, and at #399 to #400. 8/08/07 Construction activities are	See Erosion and Sediment Control sections of this report for additional details. 8/02/07 None. 8/08/07	NA NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	complete at vault #12 and #14, and continue at vault #17. The curbing and areas adjacent to vault #12 have been repaved. 8/08/07		
Erosion and Sediment Controls	Filter fabric or filter socks have been placed in catch most basins that are down-gradient of/adjacent to construction activities. 8/08/07	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. 8/08/07	Catch basins were protected. (Proactively) Additional attention needed in some locations.
Norwalk Norwalk lay-down yard	The previously exposed soils observed at vault #12 have been temporarily stabilized with mulch. The catch basin located down gradient of activities (behind building) was not protected (noted since 8/2) 8/08/07	Install controls to protect all receiving catch basins. 8/08/07	Soils were mulched
	The yard appears to not be fully active at this time. The yard is surrounded with perimeter erosion controls (silt fence and haybales) with the exception of one area adjacent to the Norwalk River. 7/25-8/8/07	Complete the perimeter barrier between the Norwalk River and the yard in order to prevent runoff. 7/25-8/8/07	Most controls are in place but needs additional attention
Westport	An area of exposed soil near sta. #360 was previously seeded and is approximately 60% vegetated. 8/08/07	Continue to monitor vegetative growth to ensure final stabilization 8/08/07	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. 8/08/07	Ensure that the silt fence is in good condition if work resumes here. 8/08/07	NA at this time
	The flow of Stony Brook remains diverted past construction activities	The area remains well controlled. See Inland Wetlands section for	NA at this time.

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<p>Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</p> <p>Sherwood Island lay-down yard</p>	<p>through a flume and slopes remain temporarily stabilized with erosion control blankets. Precipitation resulted in increased water levels here. 8/8/07</p>	<p>more details. 8/8/07</p>	
	<p>A small amount of exposed soils from vault #20 were noted accumulating at the edge of the roadway. 8/8/07</p>	<p>Install controls or provide further stabilization of soils to prevent sediment migration. 8/08/07</p>	<p>Needs attention</p>
	<p>Perimeter erosion controls are overwhelmed by stored materials in two locations at the yard. 8/08/07</p>	<p>Re-establish the controls where necessary. 8/08/07</p>	<p>Needs 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. 8/08/07</p>	<p>See erosion control section. 8/08/07</p>	<p>NA</p>
	<p>The Imperial Ave. lay-down yard is surrounded by the Saugatuck River on the southwestern, western, and northern sides, but the yard is demobilized and awaiting future staging and bore activities 8/08/07</p>	<p>See soil and staging, storage, and parking area sections. 8/08/07</p>	<p>NA</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. Standing water was noted within the construction area due to recent rains and flow</p>	<p>Continue to monitor activities for compliance with the D & M Plan. the area remains well controlled. 8/08/07</p>	<p>A boom was installed to diffuse flow velocity.</p>

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	<p>seeping through the upstream stone wall and barrier. All seepage appeared to have stopped at the time of inspection. 8/08/07</p> <p>The Norwalk River is located immediately to the west of the contractor yard on Smith St. in Norwalk. 8/8/07</p>	<p>See staging, storage, and parking area section. 8/2/07</p>	<p>NA</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. 8/08/07</p> <p>A contractor lay-down yard originally located off of Imperial Ave. in Westport has been vacated. The chain link fence around the perimeter remains and will be used to accommodate the future directional boring activities. 8/08/07</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 (some since 6/21). 8/08/07</p> <p>A contractor lay-down yard is located at 6 Smith Street in Norwalk. The yard is bordered on the westerly side by the Norwalk River. Perimeter erosion controls were installed with the exception of one area. The yard does not appear to be active at this time.</p>	<p>See Erosion Control section section for more detail. 8/08/07</p> <p>None. 8/08/07</p> <p>Continue to monitor the one stormwater discharge point. Ensure that the yard limits are observed and review the agreement for storage 8/08/07</p> <p>Continue to properly control the yard to prevent any impacts to the Norwalk River. Remain aware of floodplain boundaries on site if any. 7/25-8/08/07</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	7/25-8/08/07 A roll-away container was noted immediately adjacent to the gap in controls 8/8/07	Consider relocating the container if feasible. 8/8/07	
Soils	No issues with soil storage were observed at this time. 8/08/07	Continue to restore exposed soils when feasible and mitigate for dust as necessary. See access road section. 8/08/07	NA
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	<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. 8/08/07</p> <p>The area immediately adjacent to Stony Brook (sta. #217) had been grubbed in preparation for stream crossing activities (7/25). The exposed soils on the bank remain temporarily stabilized with EC blankets. 8/08/07</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. 8/08/07</p> <p>Cleared trees have been approved for removal in accordance with the D&M plan. See the Erosion Control and Inland Wetlands sections for more details 8/08/07</p>	<p>Continue to restore the areas.</p> <p>NA at this time</p>
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. 8/08/07	Continue to appropriately contain and/or filter discharge water. 8/08/07	NA

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Blasting	No blasting has been proposed. 8/08/07	None 8/08/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 8/08/07	Ensure that spill kits are also present with each vehicle during active construction. 8/08/07	NA
Additional Observations	None 8/08/07	None 8/08/07	NA

Next likely scheduled inspection: Wednesday August 15, 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



Photo of the Norwalk lay-down yard. The Norwalk River is located directly adjacent to the roll off container. Perimeter controls should be installed between the container and the resource area.



Exposed soils at vault #12 have been temporarily stabilized with hay mulch. Curbing and the adjacent area have recently been repaved. The catch basin located down gradient of the work area remains unprotected.



Both photo are of the Stony Brook crossing. Left: Precipitation earlier in the day caused an increase in the flow of the Brook. Pondered water within construction area is a result of runoff, and flows seeping through the upstream stonewall and barrier. Seepage had been controlled at the time of inspection. Right: View of the outfall of the flume/diversion. A boom is being used to reduce the flow velocity.



Photo of the stormwater discharge point within the Sherwood Island lay-down yard. No issues were noted with the erosion controls.



Photo of vault #20 in front of the Sherwood Diner. Exposed soils from vault continue to track/accumulate at the roadway. Install controls or further stabilize soils in order to contain them.



Both photos were taken within the King's Highway lay-down yard. Materials were observed overwhelming perimeter barrier controls in two locations.