

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 2, 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 all but a trace of precipitation recorded on 7/29. (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. 8/02/07	None. 8/02/07	NA (Not applicable)
	The construction related materials and sediment tracking noted on the roadway near sta. #334 and between sta. #381 to # 386 last week have since been swept. 8/2/07	Continue to sweep roadways on a regular basis and prevent tracking when feasible. 8/2/07	The roadway was swept.
	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. 8/02/07	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. 7/13-8/2/07	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. #161 to #162, #217 (Stony Brook),	See Erosion and Sediment Control sections of this report for additional details. 8/02/07	NA

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	#282, #301 to #302, #367 to #368, #380 to #381, #384, #388 to #391, and at #399 to #400. 8/02/07  Construction activities have commenced at vault #12 and continue at vault #17. 8/02/07	None. 8/02/07	NA
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. 8/02/07	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. 8/02/07	Catch basins were protected. (Proactively) Additional attention needed in some locations.
Norwalk	Exposed soils were observed as a result of active construction at vault #12. A catch basin located down gradient of activities (behind building) was not protected. 8/02/07	Install erosion controls as recommended by the D&M plan to contain sediment. Install controls to protect all receiving catch basins. 8/02/07	Needs attention
Norwalk lay-down yard	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. 7/25-8/02/07	Complete the perimeter barrier between the Norwalk River and the yard in order to prevent runoff. 7/25-8/02/07	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. 8/02/07  Last week, soil and boulders were observed within Stony Brook as a result of grubbing activities on the banks, and the stream flow had not been diverted through the construction	Continue to monitor vegetative growth to ensure final stabilization. 8/02/07  Continue to monitor for compliance with the D&M Plan. See Vegetative Clearing and Inland Wetland sections for more details. 8/02/07	NA at this time  The stream flow has been isolated from construction activities and banks have been temporarily stabilized

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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>area prior to soil disturbance. This week, the brook has been diverted past construction activities through a flume and slopes have been temporarily stabilized with erosion control blankets. 8/02/07</p>		
	<p>Although active work is not occurring here, silt fence remains between the road and the brook of Imperial Ave. at sta. #260. 8/02/07</p>	<p>Ensure that the silt fence is in good condition if work resumes here. 8/02/07</p>	<p>NA at this time</p>
	<p>Perimeter erosion controls remain in place at the yard. 8/02/07</p>	<p>Continue to monitor and maintain the perimeter silt fence as necessary. 8/02/07</p>	<p>NA</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. 8/02/07</p>	<p>See erosion control section. 8/02/07</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 8/02/07</p>	<p>See soil and staging, storage, and parking area sections. 8/02/07</p>	<p>NA</p>
	<p>Last week, grubbing and construction prep had disturbed/exposed the banks of Stony Brook. The flow had not been diverted or isolated during these activities and soil and boulders had</p>	<p>A number of improvements were made. Continue to monitor activities for compliance with the D&amp;M Plan. 8/02/07</p>	<p>Stream flow has been isolated from construction activities and exposed soils have been temporarily stabilized</p>

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	<p>been observed within the flowing channel. A number of improvements were made by this week's inspection. The stream flow has been flumed around the construction activities and adjacent slopes have been temporarily stabilized with erosion control blankets. Construction activities have now been appropriately sequenced. 8/02/07</p> <p>The Norwalk River is located immediately to the west of the contractor yard on Smith St. in Norwalk. 8/2/07</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. 8/02/07</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. 8/02/07</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). 8/02/07</p> <p>A contractor lay-down yard is located at 6 Smith</p>	<p>See Erosion Control section and Spills and Material Storage section for more detail. 8/02/07</p> <p>None. 8/02/07</p> <p>Continue to monitor the one stormwater discharge point. Ensure that the yard limits are observed and review the agreement for storage. 8/02/07</p> <p>Continue to properly control the yard to</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p> <p>NA</p>

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	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. 7/25-8/02/07	prevent any impacts to the Norwalk River. Remain aware of floodplain boundaries on site if any. 7/25-8/02/07	
Soils	No issues with soil storage were observed at this time. 8/02/07	Continue to restore exposed soils when feasible and mitigate for dust as necessary. See access road section. 8/2/07	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. 8/02/07</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 have been temporarily stabilized with EC blankets. 8/02/07</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. 8/02/07</p> <p>Cleared trees have been approved for removal in accordance with the D&amp;M plan. See the Erosion Control and Inland Wetlands sections for more details. 8/02/07</p>	<p>Continue to restore the areas.</p> <p>EC blankets are in place on the slopes.</p>
Dewatering	Dewatering activities were being conducted at the time of the inspection from the trench at the Stony Brook crossing.	Continue to appropriately contain and/or filter discharge water. 8/02/07	Good controls were in place (proactively)

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	Trench water was being discharged to a frac tank, then processed through a mobile filtering unit and finally discharged to the diverted stream. 8/02/07		
Blasting	No blasting has been proposed. 8/02/07	None 8/02/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 8/02/07	Ensure that spill kits are also present with each vehicle during active construction. 8/02/07	NA
Sherwood Island lay-down yard	The slurry that appeared to have been washed out from the sweeper was no longer noted in the back corner of the yard during this week's inspection. 8/02/07	Continue to monitor for sedimentation/migration and install controls if needed. 8/2/07	Slurry was no longer observed
Additional Observations	None 8/02/07	None 8/02/07	NA

Next likely scheduled inspection: Wednesday August 8, 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 #12 construction activities. Left: General view of the vault location. Right: Three trees have been removed in accordance with the D & M Plan to accommodate trenching activities. The D&M plan recommends installation of erosion controls in this location to prevent sediment migration. Catch basin protection/controls should also be installed down gradient of activities (behind building).



Photo of Stony Brook flow being diverted through a flume during construction activities. Exposed slopes on either side of the brook have been stabilized with erosion control blankets. The trench was being dewatered during the inspection.



Slurry from the sweeper within the Sherwood Island lay-down yard has been removed.