

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: July 25, 2007

Inspector: Katie Bednaz

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

Rain Event: 0.91” of precipitation was reported since the previous inspection with all precipitation recorded on 7/23. (Bridgeport, CT NOAA data)data

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within existing paved roadways at this time. 7/25/07	None. 7/25/07	NA (Not applicable)
	At sta. #334 and between sta. #381 to # 386, construction related materials, (e.g. soil or bituminous concrete debris) are located within the roadway. Soil located at sta. #334 is due to vehicles parking on the hard pack materials and tracking these materials onto the roadway. 7/25/07	Sweep and properly dispose of debris from roadway. Prevent vehicles from tracking material onto the road if feasible. 7/25/07	Needs attention
	The stone within Sherwood Island lay-down yard is clogged with soil in some areas, causing minimal tracking on the paved drive outside of the yard. (Noted since 6/13) However, the access drive to the yard is paved, reducing tracking to the main road. 7/25/07	Continue to reduce tracking and airborne dust from the yard and sweep the access drive on a regular basis or as needed. 7/25/07 Refresh or clean stone at the yard when feasible. 7/13-7/25/07	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Vault Openings and Trench Construction Westport/Norwalk</p>	<p>Construction/trenching activities were ongoing and at the time of the inspection at sta. #138 to #159, #159 to #162, #217 (Stony Brook), #282, #284 to #285, #303 to #304, #367, #381 to #382, #384 to #386, and #460 to #464. 7/25/07</p> <p>Construction activities continue at vault #17 7/25/07</p>	<p>See Erosion and Sediment Control section of this report for additional details. 7/25/07</p> <p>None. 7/25/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls</p> <p>Norwalk</p> <p>Westport</p>	<p>Filter fabric or filter socks have been placed in catch basins that are down-gradient of/adjacent to construction activities. 7/25/07</p> <p>The silt fence remains in place near vault #5. Grass growth was noted and the gully that was re-graded has not re-formed. A bituminous concrete berm was placed at the top of slope (7/19) to divert stormwater from the area. 7/25/07</p> <p>Area of exposed soil near sta. #360 was previously seeded and is approximately 60% vegetated. 7/25/07</p> <p>Soil and boulders were observed within Stony Brook as a result of grubbing activities on the banks. The brook had not been diverted through the construction area prior to soil disturbance as proposed. 7/25/07</p>	<p>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. 7/25/07</p> <p>Continue to monitor the area for final stabilization and maintain erosion controls. Ensure that the diverted stormwater does not affect neighboring properties. 7/25/07</p> <p>Continue to monitor vegetation growth to ensure final stabilization. 7/25/07</p> <p>Isolate construction activities from the flow of the brook as specified in the construction sequence detailed in the D&amp;M Plan. See the Vegetative Clearing and the Inland Wetland sections for more details. 7/25/07</p>	<p>Catch basins were protected. (Proactively) Additional attention needed in some locations.</p> <p>NA.</p> <p>NA at this time.</p> <p>Contractors were notified and began work to rectify the situation. Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>Norwalk Smith St. Contractor Yard</p>	<p>Although active work is not occurring here, silt fence remains between the road and the brook at Imperial Ave. at sta. #260. 7/25/07</p> <p>Perimeter erosion controls remain in place at the yard. 7/25/07</p> <p>The controls at the stormwater discharge point at the yard remain in place. 7/25/07</p> <p>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. 7/25/07</p>	<p>Ensure that the silt fence is in good condition if work resumes here. 7/25/07</p> <p>Continue to monitor and maintain the perimeter silt fence as necessary. 7/25/07</p> <p>Continue to monitor and maintain the controls as necessary. 7/25/07</p> <p>Complete the perimeter barrier between the Norwalk River and the yard in order to prevent runoff. 7/25/07</p>	<p>NA at this time</p> <p>NA</p> <p>NA</p> <p>Most controls are in place but needs additional 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. 7/25/07</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 7/25/07</p> <p>The stumps and root systems of a number of mature trees were being grubbed from the banks of Stony Brook, resulting in the deconstruction of the stone wall that</p>	<p>See erosion control section. 7/25/07</p> <p>See soil and staging, storage, and parking area sections. 7/25/07</p> <p>The D&amp;M Plan sequence for construction activities in this location specifies that the flow of the Brook should be diverted prior to the initiation of any earthmoving activities.</p>	<p>NA</p> <p>NA</p> <p>Contractors stopped earth work and began to rectify the situation. Needs immediate attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>armored the banks of in this location. The flow was not being diverted or isolated during these activities. Soil and construction debris were observed within the flowing channel. Activities ceased during the inspection. 7/25/07</p> <p>The Norwalk River is located immediately to the west of the contractor yard on Smith St. in Norwalk. 7/25/07</p>	<p>Contractors were advised to divert the flow of the brook immediately to comply with the construction sequence. Exposed soils on the banks need to be controlled/stabilized if immediate diversion is not feasible. 7/25/07</p> <p>See staging, storage, and parking area section. 7/25/07</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. 7/25/07</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. 7/25/07</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). 7/25/07</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</p>	<p>See Erosion Control section and Spills and Material Storage section for more detail. 7/25/07</p> <p>None. 7/25/07</p> <p>Continue to monitor the one stormwater discharge point. Ensure that the yard limits are observed and review the agreement for storage. 7/25/07</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. 7/25/07</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p> <p>NA</p>

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	installed with the exception of one area. The yard does not appear to be active at this time. 7/25/07		
Soils	No issues with soil storage were observed at this time. 7/25/07	Continue to restore exposed soils when feasible and mitigate for dust as necessary. See access road section. 7/25/07	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	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 have been stabilized with hard-pack material or mulch. 7/25/07	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. 7/25/07	Continue to restore the areas.
	The area immediately adjacent to Stony Brook (sta. #217) was being grubbed in preparation for stream crossing activities. The grubbing included the removal of a portion of the stonewall that armored the banks. Soils were exposed and the stream was not diverted or protected from construction activities at the time of the inspection. 7/25/07	Cleared trees have been approved for removal in accordance with the D&M plan, however, the grubbing took place out of sequence. See the Erosion Control and Inland Wetlands sections for more details. 7/25/07	NA
Dewatering	Dewatering activities were not being conducted at the time of the inspection. 7/25/07	None. 7/25/07	NA
Blasting	No blasting has been proposed. 7/25/07	None 7/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yards. 7/25/07	Ensure that spill kits are also present with each vehicle during active construction. 7/25/07	NA
King's Highway lay-down yard	Fluid filled equipment in the King's Highway yard continue to be proactively stored on liners or similar containment. The 55-gallon drum of bio-diesel that was being stored in an uncontained location within the yard last week was no longer observed. 7/25/07	Recommend properly containing future washout or slurry and properly dispose of deposited material. 7/19/07	The drum was no longer observed.
Sherwood Island lay-down yard	Some slurry that appears to have been washed out from the sweeper was noted in the back corner of the yard. 7/19-7/25/07	Continue to monitor for sedimentation/migration and install controls if needed. 7/19-7/25/07	Needs attention
Additional Observations	None 7/25/07	None 7/25/07	NA

Next likely scheduled inspection: Thursday August 2, 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



Sweeper washout remains in one location within the Sherwood Island lay-down yard. Monitor the area for sedimentation/migration and place controls if needed.



Slight sediment tracking/migration was noted into the roadway from the vault #20 location.



The mature tree root system was grubbed and soil was disturbed before the flow at Stony Brook was diverted through the construction area. This was a deviation from the approved construction sequence in the D&M Plan. Minor soil and debris from construction activities were observed within the channel. Contractors were immediately informed and began to rectify the situation.