

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 15, 2007

Inspector: Katie Bednaz

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

Rain Event: 1.57” of precipitation was reported since the previous inspection with 1.15” of precipitation recorded on 8/8. (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. 8/15/07  Minimal tracking is regularly noted on the paved drive outside of the Sherwood Island lay-down yard but was not observed this week. 8/15/07	None. 8/15/07  Continue to reduce tracking and airborne dust from the yard and sweep the access drive on a regular basis or as needed. 8/15/07	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. #136 to #139, #161 to #163, #217 (Stony Brook), #267 to #268, #284 to #287, #360, #367 to #368, #380 to #382, #385, #392 to #396, and at #399 to #401. 8/15/07  Construction activities are complete at vault #17. 8/15/07	See Erosion and Sediment Control sections of this report for additional details. 8/15/07  None. 8/15/07	NA  NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and Sediment Controls	Filter fabric or filter socks have been placed in catch basins that are down-gradient of/adjacent to construction activities. 8/15/07	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. 8/15/07	Catch basins were protected. (Proactively)
Norwalk	The previously exposed soils observed at vault #12 remain temporarily stabilized with mulch. The previously unprotected catch basin located downgradient now has controls in place. 8/15/07	Continue to monitor until the area is fully restored. 8/15/07	Catch basin controls were installed and soils were stabilized.
Norwalk lay-down yard	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. 8/15/07	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. 8/15/07	Continue to monitor.
Westport	Area of exposed soil near sta. #360 was previously seeded and is approximately 60% vegetated. 8/15/07	Continue to monitor vegetation growth to ensure final stabilization. 8/15/07	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. 8/15/07	Ensure that the silt fence is in good condition if work resumes here. 8/15/07	NA at this time
	Silt fence has been installed between the previously exposed soils at vault #20 and the roadway. 8/15/07	Monitor the area until it is fully stabilized. 8/15/07	Erosion controls have been installed.
	The flow of Stony Brook	The area remains well	NA at this time.

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>remains diverted past construction activities through a flume and slopes remain temporarily stabilized with erosion control blankets. 8/15/07</p> <p>Perimeter erosion controls are overwhelmed by stored materials in two locations at the yard. 8/8 – 8/15/07</p> <p>The controls at the stormwater discharge point at the yard remain in place. 8/15/07</p>	<p>controlled. See Inland Wetlands section for more details. 8/15/07</p> <p>Re-establish the controls where necessary. 8/8-8/15/07</p> <p>Continue to monitor and maintain the controls as necessary. 8/15/07</p>	<p>Needs attention</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. 8/15/07</p> <p>The Imperial Ave. lay-down yard is surrounded by the Saugatuck River on the southwestern, western, and northern sides. However the yard is demobilized and will be removed from inspection until the HDD commences here. 8/15/07</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. The standing water from last week was no longer in the work area and temporary work space had been constructed. A haybale was noted in the channel. 8/15/07</p>	<p>See erosion control section. 8/15/07</p> <p>None. 8/15/07</p> <p>Continue to monitor activities for compliance with the D &amp; M Plan. Remove the haybale from brook if project related. 8/15/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Staging, Storage, and Parking Areas	<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. 8/15/07</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). 8/15/07</p> <p>A contractor lay-down yard is located at 6 Smith Street in Norwalk. The yard is bound on the westerly side by the Norwalk River. An existing concrete slab and depression is in place which provides good containment. The yard does not appear to be active at this time. 8/15/07</p>	<p>See Erosion Control section section for more detail. 8/15/07</p> <p>Continue to monitor the one stormwater discharge point. Ensure that the yard limits are observed and review the agreement for use and storage in the yard. 6/21-8/15/07</p> <p>Continue to properly isolate yard from Norwalk River to prevent any impacts to the watercourse. If any loose materials are stored on top of the slab, more controls will be needed. 8/15/07</p>	<p>NA</p> <p>Needs evaluation</p> <p>Needs attention if working within exposed area</p>
Soils	No issues with soil storage were observed at this time. 8/15/07	Continue to restore exposed soils when feasible and mitigate for dust as necessary. See access road section. 8/15/07	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	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. 8/15/07	Continue to restore the areas.

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	<p>remain stabilized with hard-pack material or mulch. 3/15-8/15/07</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. 8/15/07</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 8/15/07</p>	<p>NA at this time</p>
Dewatering	<p>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. 8/15/07</p>	<p>Continue to appropriately contain and/or filter discharge water. 8/15/07</p>	<p>NA</p>
Blasting	<p>No blasting has been proposed. 8/15/07</p>	<p>None 8/15/07</p>	<p>NA</p>
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard. 8/15/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 8/15/07</p>	<p>NA</p>
Additional Observations	<p>None 8/15/07</p>	<p>None 8/15/07</p>	<p>NA</p>

Next likely scheduled inspection: Tuesday August 21, 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



Vehicles and machinery were being stored outside of the fenced boundary of the Sherwood Island lay-down yard. Ensure that the agreement for yard use and storage allows this.



Calcium chloride has been spread throughout the King's Highway laydown yard to aid in reducing airborne dust generation.



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



Photo of the Stony Brook crossing. Temporary work space was constructed and banks/slopes were covered with erosion control blankets. The diverted stream flow did not have sediment or turbidity issues.



Erosion controls have been installed at vault #20 to contain exposed soil and reduce sediment migration to the roadway.