

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: December 5, 2007

Inspector: Gregory Sommer & Margaret Washburn

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

Rain Event: 0.63” of precipitation was reported since the previous inspection, with 0.49” of the total recorded on 12/03 (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. 12/05/07 Minor sediment tracking was observed along the access road between the Sherwood Island Connector and the yard. but crews have been observed actively sweeping. 12/05/07	None. See erosion control section for details on sediment tracking. 12/05/07 Continue to sweep the roadway and monitor and maintain controls as necessary. 12/05/07	NA (Not applicable) Needs regular attention.
Vault Openings and Trench Construction Westport/Norwalk	Construction/trenching activities and/or steel road plates were observed at the time of the inspection at sta.: #81-83, #96-98, #130-132, & #144-148. 12/05/07	See erosion and sediment control sections of this report for additional details. 12/05/07	NA
Erosion and Sediment Controls	Filter fabric or filter socks have been placed in catch basins that are down-gradient of/ adjacent to construction activities. 12/05/07	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 12/05/07	NA at this time
Westport/Norwalk	Silt fence remains between	Ensure that the silt fence	NA at this time

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	<p>the road and the brook off Imperial Ave. at sta. #260. Active work is not occurring here at this time. 12/05/07</p> <p>Erosion controls are in place between the hard-pack material and Stony Brook at sta. #217. 12/05/07</p> <p>Portions of silt fence near sta #81 were in disrepair with an exposed slope upgradient due to active work here. 12/05/07</p> <p>Sediment was observed over the steel plates and parking lot area near sta. #96-98. Tracking was minor. 12/05/07</p> <p>Sediment accumulation was previously observed on the roadway near sta. #146 (vault #9). Landscaped areas/ exposed soils adjacent to the work site have the potential to erode. 11/08-12/05/07</p> <p>Sediment tracking and heavy rutting was observed in the island near sta. #316-318. Hay mulch was previously applied to stabilize the exposed soils, but the area needs to be refreshed 11/21-12/05/07</p> <p>Sediment is eroding near sta. #382 (vault #23), in areas where the curb has deteriorated (since 11/15) The area was previously backfilled w/ hard-pack and stabilized with hay mulch. Hay bales placed for sediment control are also deteriorating.. 11/21-</p>	<p>is in good condition if work here resumes. 12/05/07</p> <p>Continue to monitor and maintain controls as necessary. See Inland Wetlands section for more details. 12/05/07</p> <p>Repair the silt fence and stabilize exposed soils sufficiently for the winter once active work is complete.12/05/07</p> <p>Sweep parking lot at the of each workday. 12/05/07</p> <p>Maintain controls and sweep area as necessary. Provide additional stabilization, sufficient for winter months, to adjacent landscaped areas and work site. 12/05/07</p> <p>Remove the sediment accumulated along the gutter and sweep the roadway as necessary. Regrade and apply additional mulch in the area so that there is cover sufficient for the winter months. 12/05/07</p> <p>Sweep roadway as necessary. Improve restoration/ stabilization efforts and monitor until area is permanently stabilized. 11/15-12/05/07 Replace haybales if needed. 11/21-12/05/07</p>	<p>NA at this time.</p> <p>Needs attention</p> <p>Needs regular attention.</p> <p>Needs attention to stabilize landscaped areas.</p> <p>Needs attention.</p> <p>Roadway appears to have been recently swept. However additional attention is needed to control the source.</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>12/05/07 The roadway appears to have been swept recently. 12/05/07</p> <p>Vehicles continue to park on the previously seeded areas/ exposed soils near sta. #334 (vault #20). Vehicles ruts were noted. 11/15-12/05/07</p> <p>Perimeter controls remain in place. Neither sediment tracking nor dust migration were an issue this week 12/05/07</p> <p>Minor sediment tracking was observed along the access road to the yard. Perimeter controls remain in place. Dust migration was not an issue. 12/05/07</p>	<p>Apply additional mulch in the area so that there is cover sufficient for the winter months. Work out the parking situation with the landowner. 11/21-12/05/07</p> <p>Continue to monitor and maintain controls as necessary. Sweep the roadway as necessary. 12/05/07</p> <p>In order to reduce tracking, continue to manage the debris material stockpile and empty the street sweeping equipment in a contained area. 12/05/07</p>	<p>Needs attention when feasible.</p> <p>No issues noted but needs regular attention.</p> <p>No issues noted but 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. 12/05/07</p> <p>Construction activities appear to be complete at Stony Brook. Flow has been returned to original channel. Area has been seeded but not mulched. Some grass cover is present. 9/11-12/05/07</p> <p>Orange construction and markers/cones had fallen into the stream. 11/28-12/05/07</p>	<p>See erosion control section. 12/05/07</p> <p>Continue restoration/ stabilization efforts and monitor until vegetation is fully restored. See erosion control section for additional details. 9/11-12/05/07 Ensure that cover is sufficient for winter months.</p> <p>Remove construction debris from the stream and secure them. 11/28-12/05/07</p>	<p>NA</p> <p>Continue restoration efforts.</p> <p>Needs attention</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located within Sherwood Island State Park. 12/05/07</p>	<p>See the erosion control section for more detail. and spills and material storage sections for more detail 12/05/07</p>	<p>NA</p>

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	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. 12/05/07	See erosion control section for more detail. 12/05/07	NA
Soils	Exposed soils were noted due to excavation for trench, vault, and utility work. 12/05/07	Soils appear to have been handled appropriately. 12/05/07	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. 12/05/07	None. 12/05/07	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 #6, #9, #12, #13, #19, #23, and #26 construction and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or mulch. 3/15-12/05/07	If exposed soils are not to be worked within 21 days, they should be stabilized within 7 days of the last activity. Where work has been completed, sufficient mulch should be applied to the topsoil for winter stabilization and readdressed during the growing season. 12/05/07	Continue to restore the areas.
	Vault #12 work area is temporarily stabilized with hard-pack and hay mulch. Trees were previously removed to accommodate work. 12/05/07	Cleared trees have been approved for removal in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 12/05/07	NA
	Some areas near vault #20 are approximately 75% vegetated, while others have failed to vegetate due to vehicles parking in these area from the adjacent businesses. 11/08-12/05/07	Areas can be considered stable once it has reached 75% cover. See erosion control section. Work on solutions with the landowner and apply sufficient mulch for the winter. 12/05/07	Needs attention when feasible.
	Two trees have previously been removed near sta. #145 per the D&M plan. 12/05/07	Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Heavy ruts and sediment accumulation remains in the area of sta. #316-318 (vault #19). 11/28-12/05/07	12/05/07 See the erosion control section. The area needs sufficient stabilization for the winter. 11/28-12/05/07	Needs attention.
Dewatering	Dewatering activities were not being conducted at the time of the inspection. 12/05/07	Appropriately contain and/or filter discharge water. When dewatering stormwater from contained, completed vaults, minimize future impacts by connecting hoses to discharge the water directly into a catch basin rather than allowing flow over exposed soils and roadways. 12/05/07	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 12/05/07 A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4-12/05/07	Ensure that spill kits are also present with each vehicle during active construction. 12/05/07 Remove or attend to materials when feasible. 10/4-12/05/07	NA Needs attention when feasible
Additional Observations	None 12/05/07	None 12/05/07	NA

Next likely scheduled inspection: Wednesday, December 12, 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: Gregory Sommer & Margaret Washburn, BSC Group

Reviewer: Diana Walden, BSC Group



Silt fence along the curb line near sta. #81 (vault #5) is in need of repair. Exposed soils upgradient should be stabilized sufficiently for winter months when active work is complete.



Sediment was observed over the steel plates and parking lot area near sta. #96-98. Tracking was minor.



Ruts and tracking were observed near sta. #316-318. Hay mulch was previously applied over the exposed soils but the area should be refreshed so it has sufficient temporary stabilization for the winter months. Sediment needs to be removed from the curb/gutter and swept up.



Vehicle ruts were noted in the previously seeded areas near sta #334 (vault 20). Patrons of the diner and plaza continue to park in this area. Coordinate with the landowner to determine what the solution should be in terms of final cover here. Grading and re-seeding may be needed in the spring with barriers to prevent parking.