

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 31, 2007

Inspector: Gregory Sommer

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

Rain Event: 1.77" of precipitation was reported since the previous inspection, with 0.47" of the total recorded on 12/23 and 0.65" on 12/29 (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. 12/31/07 Very minor, incidental sediment accumulation was observed along the access road to the Sherwood Island Yard. 12/31/07	None. See erosion control section for details on sediment tracking. 12/31/07 Continue to sweep the roadway and monitor and maintain controls as necessary. Also, see erosion control section. 12/31/07	NA (Not applicable) The area appears to have been swept prior to the break in activities. Needs regular attention.
Vault Openings and Trench Construction Westport/Norwalk	Construction/trenching activities will be on hold for two weeks during a holiday break. Steel road plates were observed at the time of the inspection along the shoulder/sidewalk areas near sta. #144-146, and #200 (vault tie-in). Vault work equipment was parked in the median near sta #318. 12/31/07	See erosion and sediment control sections of this report for additional details. 12/31/07	NA
Erosion and Sediment Controls	Controls had to be removed from catch basins on Rte. 1 per request of ConnDOT (as of 12/21) to improve	Since controls are not allowed in the catch basins on this roadway, attend to all sediment at the source and stabilize	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Westport/Norwalk	drainage during winter conditions. 12/31/07	exposed soils as quickly as possible. 12/31/07	
	Silt fence remains between the road and the brook off Imperial Ave. at sta. #260. Active work is not occurring here at this time. 12/31/07	Ensure that the silt fence is in good condition when work resumes at this location. 12/31/07	NA at this time
	Erosion controls remain in place between the hard-pack material and Stony Brook at sta. #217. 12/31/07	Continue to monitor and maintain controls as necessary. See Inland Wetlands section for more details. 12/31/07	NA at this time.
	Silt fence near sta #81 (vault #5) has been removed either due to construction or snow plowing. Portions of the area were mulched. Minor sediment accumulation was observed along the roadway. 12/21-12/31/07	Continue to stabilize exposed soils sufficiently for the winter. Replace the silt fence if necessary and sweep the roadway. 12/21-12/31/07	The area was partially mulched but still needs attention
	Backfilled soil near sta. #129-131 had been mulched with hay. A bituminous curb was installed and the lot has been temporarily paved. The pavement has settled and created a minor depression in the parking lot area. 12/31/07	Sweep area if necessary and continue to monitor for stabilization. Evaluate any safety issues and take necessary precautions. Repair temporary pavement in parking lot area. 12/31/07	Needs attention.
	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. (Since 11/08) Area has been temporarily stabilized and steel plates cover the work zone over the break. 12/31/07	Provide additional stabilization, sufficient for winter months, to adjacent landscaped areas and work site once active work is complete in an area. 12/31/07	Needs attention to stabilize any completed areas.
Sediment tracking and heavy rutting was	Remove the sediment accumulated along the	Needs attention.	

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>observed in the island near sta. #316-318. Hay mulch was previously applied to stabilize the exposed soils, but ruts and tracking continue (since 11/21). Electrical contractor was performing work internal to the vault at the time of the inspection. 12/31/07</p>	<p>gutter and sweep the roadway as necessary. Even though access and active work are needed at the vault, the remainder of this area needs to be sufficiently stabilized for the winter months. 12/31/07</p>	
	<p>Temporary bituminous curbs have been installed near sta. #382 (vault #23), to replace sections of deteriorated curb. The area remains backfilled w/ hard-pack and stabilized with hay mulch. The roadway appears to have been swept recently. 12/31/07</p>	<p>Sweep roadway as necessary. Improve restoration/ stabilization efforts and monitor until area is permanently stabilized. 11/15-12/21/07</p>	<p>Temporary bituminous curbs have been installed.</p>
	<p>Vehicles continue to park on the previously seeded areas/ exposed soils near sta. #334 (vault #20). Vehicles ruts were noted. 11/15-12/31/07</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. 11/21-12/31/07</p>	<p>Needs attention when feasible.</p>
	<p>Perimeter controls remain in place. In past weeks, minor sediment tracking was observed near the entrance to the yard. Stone previously spread throughout the yard has been plowed into piles near the perimeter controls, during snow removal activities. 12/31/07</p>	<p>Continue to monitor and maintain controls and sweep the roadway as necessary. Re-spread the crushed stone throughout the yard to reduce the potential for tracking and to limit the amount of material piled near controls. 12/31/07</p>	<p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Minor, residual sediment tracking was observed along the access road to the yard but the area appears to have been swept before the break. Heavy equipment had been parked outside the fenced limits of the yard but were not present here during the break. The area remains heavily rutted. 12/21-12/31/07	The contractor has previously stated that the vehicles are stored within an area covered under the lease. Determine whether stone or other stabilization measures are allowed in this area in order to reduce tracking. Full restoration will be needed when access needs are complete. 12/21-12/31/07	Needs evaluation and attention.
Inland Wetland and Watercourse encroachment and mitigation	The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 12/31/07 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. 9/11-12/31/07	See erosion control section. 12/31/07 Continue restoration/stabilization efforts and monitor until vegetation is fully restored. See erosion control section for additional details. 9/11-12/31/07 Ensure that cover is sufficient for winter months. 12/31/07	NA Continue restoration efforts.
Staging, Storage, and Parking Areas	A contractor lay-down yard is located within Sherwood Island State Park. 12/31/07 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. 12/31/07	See the erosion control section for more detail. and spills and material storage sections for more detail 12/31/07 See erosion control section for more detail. 12/31/07	NA NA
Soils	Exposed soils were noted due to excavation for trench, vault, and utility work. 12/31/07	Soils appear to have been handled appropriately. 12/31/07	NA
State species of concern, threatened and endangered	According to the D&M plan, state-listed species are not located in this	None. 12/31/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
species.	work area. 12/31/07		
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>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. 3/15-12/31/07</p> <p>Vault #12 work area is temporarily stabilized with hard-pack and hay mulch. Trees were previously removed to accommodate work. 12/31/07</p> <p>Some areas near vault #20 are approximately 75% vegetated, while others have failed to vegetate due to vehicles parking in these areas from the adjacent businesses. 11/08-12/31/07</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 12/31/07</p> <p>Heavy ruts and sediment accumulation remains in the area of sta. #316-318 (vault #19). 11/28-12/31/07</p>	<p>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. 12/31/07</p> <p>Cleared trees have been approved for removal in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 12/31/07</p> <p>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. 12/21-12/31/07</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 12/31/07</p> <p>See the erosion control section. The area needs sufficient stabilization for the winter. 11/28-12/31/07</p>	<p>Continue to restore the areas.</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p> <p>Needs attention.</p>
Dewatering	Dewatering activities were not being conducted at the time of the inspection. 12/31/07	Appropriately contain and/or filter discharge water. When dewatering stormwater from contained and completed vaults, connect hoses to discharge the water directly into a catch basin rather than allowing flow	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
		over exposed soils and roadways. 12/31/07	
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 12/31/07 A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4-12/31/07	Ensure that spill kits are also present with each vehicle during active construction. 12/31/07 Remove or attend to materials when feasible. 10/4-12/31/07	NA Needs attention when feasible
Additional Observations	None 12/31/07	None 12/31/07	NA

Next likely scheduled inspection: Thursday, January 10, 2008

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, BSC Group

Reviewer: Diana Walden, BSC Group



Silt fence was removed from the curb line near sta. #81 (vault #5) either due to construction or snow plowing. Exposed soils were partially mulched with hay. Continue to stabilize and sweep along the curb as needed.



Temporary pavement near sta. #130 has settled, creating a small depression in the parking lot area. Evaluate any safety issues and provide necessary precautions.



Heavy rutting continues within the median near sta. #316-318. Some sediment was observed along the shoulder and encroaching into the roadway.



A temporary bituminous curb remains in place near sta. #181 to minimize the potential for sedimentation.