

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: November 15, 2007

Inspector: Gregory Sommer

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

Rain Event: 0.54" of precipitation was reported since the previous inspection, with 0.31" of the total recorded on 11/9 and 0.18" on 11/13. (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. 11/15/07 Minor sediment tracking was observed along the access road between the Sherwood Island Connector and the yard. 11/15/07	None. See erosion control section for details on sediment tracking. 11/15/07 Sweep the roadway as necessary. Continue to monitor and maintain controls. Improvements were being made within the yard. 11/15/07	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.: #85-87, #97-98, #125+50, #129-130, #131-132, #144-146, #198-201, & #382. 11/15/07	See Erosion and Sediment Control section of this report for additional details. 11/15/07	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. 11/15/07	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. 11/15/07	Most catch basins were protected.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Westport/Norwalk	<p>A silt sack or similar controls were needed near sta. #127+50. 11/08-11/15/07</p>	<p>Install controls in this location. 11/08-11/15/07</p>	<p>Needs attention.</p>
	<p>Silt fence remains between the road and the brook off Imperial Ave. at sta. #260. Active work is not occurring here at this time. 11/15/07</p>	<p>Ensure that the silt fence is in good condition if work here resumes. 11/15/07</p>	<p>NA at this time</p>
	<p>Erosion controls are in place between the hard-pack material and Stony Brook at sta. #217. 11/15/07</p>	<p>Continue to monitor and maintain controls as necessary. See Inland Wetlands section for more details. 11/15/07</p>	<p>NA at this time</p>
	<p>The minor sediment accumulation was previously observed near sta. #98 (vault #6) appears to have been swept from the parking lot area. The catch basin is protected. 11/15/07</p>	<p>Continue routine maintenance on all protected catch basins. Sweep parking lot as necessary. 11/15/07</p>	<p>The parking lot area appears to have been recently swept. Needs regular attention.</p>
	<p>Heavy 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. 11/08-11/15/07</p>	<p>Maintain controls and provide additional stabilization to adjacent landscaped areas and work site. 11/08-11/15/07</p>	<p>Needs attention to stabilize landscaped areas.</p>
	<p>Vehicles continue to park on the seeded areas of exposed soils near sta. #334 (vault #20). 11/15/07</p>	<p>Continue to maintain controls and monitor the area for final stabilization. 11/15/07</p>	<p>Needs attention when feasible.</p>
	<p>Minor concrete slurry residue was previously observed on the roadway near sta. #81 (vault #5). The area appears to have been swept, or rain during the week may have washed the residue away. 11/15/07</p>	<p>Continue to perform washouts only in designated, contained areas. 11/15/07</p>	<p>Minor concrete slurry residue has been swept or washed away.</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>A minor amount of sediment eroded near sta. #382 (vault #23), in areas where the curb has deteriorated. The area was previously backfilled w/ hard-pack and stabilized with hay mulch. 11/15/07</p> <p>Perimeter controls remain in place. Neither sediment tracking nor dust migration were an issue this week. 11/15/07</p> <p>Slurry material dumped near the front of the material storage bins last week has been removed. 11/15/07</p> <p>The stockpile of debris material continues to be consolidated and perimeter controls remain in place around the yard. 11/15/07</p>	<p>Sweep roadway as necessary. Improve restoration/ stabilization efforts and monitor until area is permanently stabilized. 11/15/07</p> <p>Continue to monitor and maintain controls as necessary. Sweep the roadway as necessary. 11/15/07</p> <p>Continue to bind slurry waste with processed material and properly dispose in an area that will not contribute to tracking. 11/15/07</p> <p>In order to reduce tracking, continue to manage the debris material stockpile and empty the street sweeping equipment in a contained area. 11/15/07</p>	<p>Needs attention.</p> <p>Needs regular attention.</p> <p>Slurry material has been removed.</p> <p>NA at this time</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. 11/15/07</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. Grass is beginning to germinate. 9/11-11/15/07</p>	<p>See erosion control section. 11/15/07</p> <p>Continue restoration/ stabilization efforts and monitor until vegetation is fully restored. See erosion control section for additional details. 9/11-11/15/07</p>	<p>NA</p> <p>Continue restoration efforts</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located within Sherwood Island State Park. 11/15/07</p> <p>A contractor lay-down yard is located off of</p>	<p>See the Erosion Control and Spills and Material Storage sections for more detail. 11/15/07</p> <p>See Erosion Control section for more detail.</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Kings Highway near the Rt. 1 rotary. This is being used for both 4a and 4b activities. 11/15/07	11/15/07	
Soils	Exposed soils were noted due to excavation for trench, vault, and utility work. It appears soils are being handled properly. 11/15/07	Continue to monitor. 11/15/07	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. 11/15/07	None. 11/15/07	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, #20, #23, and #26 construction and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or mulch. 3/15-11/15/07	Continue to stabilize the exposed soil. 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, seed and mulch should be applied to the top soil for permanent stabilization, if within the growing season. 11/15/07	Continue to restore the areas.
	Work has been completed in the area adjacent to Stony Brook (sta. #217). The existing parking lot has been paved. 11/15/07	Implement final restoration plan on adjacent pervious areas once agreement is reached. 11/15/07	NA
	Vault #12 work area is temporarily stabilized with hard-pack and hay mulch. Trees were previously removed to accommodate work. 11/15/07	Cleared trees have been approved for removal in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 11/15/07	NA
	Some areas near vault #20 are approximately 75% vegetated, while others have failed to vegetate due to vehicles parking in these areas. 11/08-11/15/07	Areas can be considered stable once it has reached 75% cover. Continue to monitor controls in other areas to promote vegetation/ final stabilization. 11/15/07	Limit parking in restored areas if feasible
	Two trees have been removed near sta. #145	Cleared trees have been removed in accordance	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	per the D&M plan. 11/15/07 Hay mulch remains at the area of sta. #316-318 (vault #19). Ruts remain in several areas. 11/01-11/15/07	with the D&M plan. Restore as required by the D&M plan when feasible. 11/15/07 Continue to monitor for vegetative cover to ensure final stabilization. Reseed or regrade as necessary. 11/01-11/15/07	Continue to monitor.
Dewatering	Dewatering activities were being conducted at sta. #382/vault #23 during the inspection. Discharge water was stormwater previously contained to the completed vault. It was being directed over an area of exposed soil and then into the roadway. Catch basins were protected with silt sacks but curb inlets were not controlled. Sediment/turbid water was observed entering the catch basins. 11/15/07	Discharge from the dewatering of completed, contained, electrical vaults is permitted directly into catch basins. However, sediment picked up in this process still needs controls. Minimize future impacts by connecting hoses to discharge the water directly into the catch basin rather than allowing flow over exposed soils and roadways. Install a gutter buddy (or similar) in any catch basins with a curb drop inlet. 11/15/07	Needs attention.
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 11/15/07 A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4-11/15/07 Equipment and materials were noted stored beyond the Sherwood Island lay-down yard's perimeter fencing, but within the limits of the area being leased, according to the contractor. 11/15/07	Ensure that spill kits are also present with each vehicle during active construction. 11/15/07 Remove or attend to materials when feasible. 10/4-11/15/07 Continue to appropriately store all equipment within the limits of the area being leased to the contractor. 11/15/07	NA Needs attention when feasible NA
Additional Observations	None 11/15/07	None 11/15/07	NA

**Next likely scheduled
inspection:**

Wednesday, November 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: Gregory Sommer, BSC Group

Reviewer: Diana Walden, BSC Group



The parking lot area near sta. #219 (vault #13) has been paved.



Vehicles continue to park on the seeded areas of exposed soils near sta. #334 (vault #20).



Stockpile of debris material in the Sherwood Island lay-down yard continues to be consolidated. Minor tracking was observed along the access road to the lay-down yard.



Crews were observed dewatering vault #23. The discharge was being directed over an area of exposed soil and then into the roadway. The catch basins were protected but sediment appeared to be entering through the curb inlet which did not have controls. (This discharge consists of stormwater internal to the completed vault.)