

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: October 25, 2007

Inspector: Gregory Sommer

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

Rain Event: 1.72" of precipitation was reported since the previous inspection, with 1.54" of the total recorded on 10/19 (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. 10/25/07 Heavy sediment tracking continues to be an issue at the entrance to the Sherwood Island lay-down yard and along the access road. 10/18-10/25/07	None. See erosion control section for details on sediment tracking. 10/25/07 Sweep the roadway and the access driveway to the yard. Continue to monitor and maintain controls as necessary. 10/18-10/25/07	NA (Not applicable) Sherwood Island Connector was recently swept. Needs regular/additional 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.: #90-92, #95-97, #114-115, #127, #202, #206-208, #295-299, & #419. 10/25/07	See Erosion and Sediment Control sections of this report for additional details. 10/25/07	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. However, some recently completed areas need attention. 10/25/07	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. 10/25/07	The majority of catch basins were protected. (proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Westport/Norwalk	Silt fence remains between the road and the brook off Imperial Ave. at sta. #260. Active work is not occurring here at this time. 10/25/07	Ensure that the silt fence is in good condition if work here resumes. 10/25/07	NA at this time
	Erosion controls are in place between the hard-pack material and Stony Brook at sta. #217. 10/25/07	Continue to monitor and maintain controls as necessary. See Inland Wetlands section for more details. 10/25/07	NA at this time
	The minor amount of sediment visible along the curb near sta. #383 (vault #23) the last few weeks had been removed. The area along the curb line was stabilized with haybales. 10/25/07	Continue restoration/ stabilization efforts and monitor until the area is permanently stabilized. 10/25/07	Eroded material was removed from along the curb line
	Ponding was observed in the parking lot near sta. #98 (vault #6). The catch basin was protected with a silt sack which appeared to be plugged with sediment/ debris. 10/25/07	Empty/ clean silt sack to increase proper drainage and function. Continue routine maintenance on all protected catch basins. 10/25/07	Needs attention
	Heavy sediment accumulation was observed near sta. #146 (vault #9). Sediment appeared to have been washed out of the adjacent landscaped areas as a result of heavy rains. The receiving catch basin was not protected. 10/25/07	Clean/sweep catch basin and parking lot area. Install silt sack to protect catch basin and provide additional stabilization to adjacent landscaped areas and work sites. 10/25/07	Needs attention
	Silt fence between sta. #316-#318 is heavily frayed, sagging, and in need of repair. The surrounding area remains temporarily stabilized with hay mulch. Ruts remain. 10/25/07	Removed damaged sections of silt fence and install new fence between sta. #316+50-317+25. Locate and toe-in fence in a way that avoids impacts to existing vegetation along curb line. 10/25/07	Needs attention.
Kings Highway Lay-down Yard (Fairfield)	Perimeter controls remain in place. Dust migration	Implement dust control measures and sweep	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</p> <p>Sherwood Island lay-down yard</p>	<p>and tracking were not an issue. 10/25/07</p> <p>Access roads within the yard are becoming very muddy and ruts are beginning to form. 10/25/07</p> <p>Stockpile of debris material is very large. Saw cutting slurry was dumped near the edge of the debris pile, increasing the potential for tracking. Perimeter controls remain in place. 10/18-10/25/07</p>	<p>roadway as necessary. Continue to monitor and maintain controls as necessary. 10/18/07</p> <p>Stabilize access roads and surfaces within yard to remove mud/ruts and reduce tracking. Sweep the access driveway to reduce tracking. 10/25/07</p> <p>Manage the debris material stockpile to reduce tracking and to facilitate the emptying of street sweeping equipment in a contained area. 10/25/07</p>	<p>Needs regular attention.</p> <p>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. 10/25/07</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. 10/25/07</p>	<p>See erosion control section. 10/25/07</p> <p>Continue restoration/stabilization efforts and monitor until vegetation is fully restored. See erosion control section for additional details. 9/11-10/25/07</p>	<p>NA</p> <p>Continue restoration efforts</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located off of Kings Highway near the Rt. 1 rotary. This is being used for both 4a and 4b activities. 10/25/07</p> <p>A contractor lay-down yard is located within Sherwood Island State Park. Multiple controls were used to stabilize the yard. However, equipment and materials are being stored outside the contained yard again.</p>	<p>See Erosion Control section for more detail. 10/25/07</p> <p>See the Erosion Control and Spills and Material Storage sections for more detail. Review the yard agreement and store equipment appropriately. 10/25/07</p>	<p>NA</p> <p>Needs evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	10/25/07		
Soils	Exposed soils were noted due to excavation for trench, vault, and utility work. It appears soils are being handled properly. 10/25/07	Continue to monitor. 10/25/07	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. 10/25/07	None. 10/25/07	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. 3/15-10/25/07	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. Where work has been completed, seed and mulch should be applied to the topsoil for permanent stabilization. 10/25/07	Continue to restore the areas.
	Work has been completed in the area adjacent to Stony Brook (sta. #217). Area near the entrance drive is has approximately 50% new grass cover. Contractor is working with owner to reach agreement on final restoration measures. 10/25/07	Cleared trees were removed in accordance with the D&M plan. Implement final restoration plan once agreement is reached. See the Erosion Control and Inland Wetlands sections for more details 10/25/07	NA
	Vault #12 work area is temporarily stabilized with hard-pack and hay mulch. Trees were previously removed to accommodate work. 10/25/07	Cleared trees have been approved for removal in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 10/25/07	NA
	Silt fence is in place near vault #20 but acts more as a barrier to prevent vehicles from parking on seeded areas. The area is approximately 75% vegetated. 10/25/07	The area can be considered stable as it has reached 75% cover. 10/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Two trees have been up-rooted near sta. #145 per the D&M plan. 10/25/07</p> <p>Hay mulch remains at the area of sta. #316-318 (vault #19). Ruts remain in several areas. 10/25/07</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. 10/25/07</p> <p>Continue to monitor for vegetative cover to ensure final stabilization. Reseed or regrade as necessary. 10/25/07</p>	<p>NA</p> <p>Continue to monitor.</p>
Dewatering	Dewatering activities were not being conducted at the time of the inspection. 10/25/07	Continue to appropriately contain and/or filter discharge water. 10/25/07	NA
Blasting	No blasting has been proposed. 10/25/07	None 10/25/07	NA
Spills and Material Storage	<p>Spill cleanup materials/kits were observed in the storage yard. 10/25/07</p> <p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4-10/25/07</p> <p>Equipment and materials were noted stored beyond the Sherwood Island lay-down yard limits. 10/25/07</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 10/25/07</p> <p>Remove or attend to materials when feasible. 10/4-10/25/07</p> <p>Continue to proactively store all equipment in the designated contained locations. 10/25/07</p>	<p>NA</p> <p>Needs attention when feasible</p> <p>Needs regular attention</p>
Kings Highway Lay-down Yard (Fairfield)	The concrete washout material had been removed from the designated, contained stone stockpile area and disposed of. 10/25/07	Continue to designate a contained area for concrete washouts. 10/25/07	Concrete material was removed.
Additional Observations	None 10/25/07	None 10/25/07	NA

**Next likely scheduled
inspection:**

Thursday, November 1, 2007

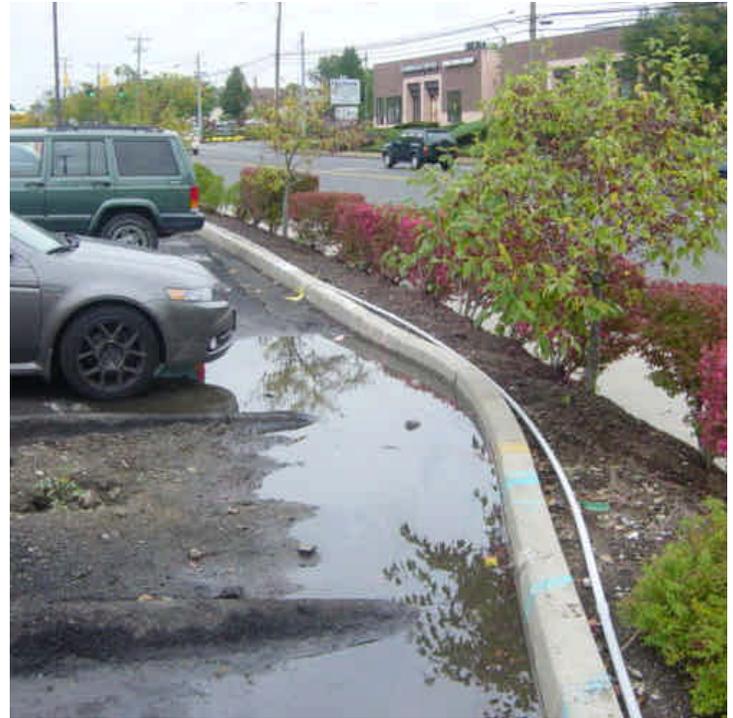
I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete 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:

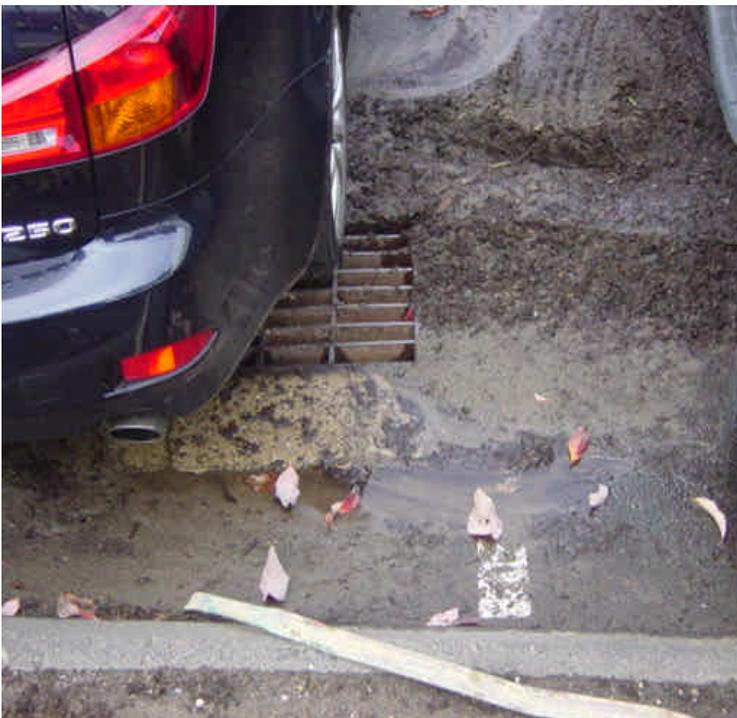
Gregory Sommer, BSC Group

Reviewer:

Diana Walden, BSC Group



Steel plates are in place over the exposed trench near sta. #96, as tie-in work continues at vault #6 (left). The catch basin in the parking lot was protected with a silt sack but appears to be plugged (right). Remove accumulated sediment from the controls to increase the catch basin function.



Heavy sediment accumulation was observed near sta. #146 (vault #9). Sediment appeared to have been washed out of the adjacent landscaped areas. The catch basin was not protected. Sweep the roadway and provide additional stabilization.

Work has been completed in the area adjacent to Stony Brook (sta. #217). The area near the entrance drive is approximately 50% vegetated.



The silt fence remaining between sta. #316-#318 is heavily frayed and in need of repair. The surrounding area remains temporarily stabilized with hay mulch. Replace silt fence between sta. #316+50-317+25



A minor amount of sediment eroded and was visible along the curb near sta. #383 (vault #23). Eroded material was removed from along the curb line and the area was stabilized with haybales at this point.



Access roads within the Sherwood Island lay-down yard are becoming very muddy and ruts are beginning to form. Heavy tracking was an issue at the entrances to the yard and along the access driveway. Materials and equipment continue to be stored outside the fenced limits of the yard (left). Stockpile of debris material is growing very large. Saw cutting slurry was dumped near the edge of the debris pile on the access road within the yard (right), increasing the potential for tracking.

