

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: February 7, 2008

Inspector: Gregory Sommer

Location: Westport Avenue to the Norwalk Substation in the City of Norwalk

Rain Event: 0.28" of precipitation was reported since the previous inspection, all of which was recorded on 2/2 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<p>All work is within existing paved roadways at this time. 2/7/08</p> <p>Sediment tracking from the shoulder of the access road to the Sherwood Island yard was heavy this week and extended along Sherwood Island Connector. During past rain events, turbid run-off has been observed reaching catch basins. 1/11-2/7/08</p>	<p>None. See erosion control section for details on sediment tracking. 2/7/08</p> <p>Continue to sweep the roadway and monitor and maintain controls as necessary. Continue to install crushed stone to stabilize exposed soils. Also, see erosion control section. 2/7/08</p>	<p>NA (Not applicable)</p> <p>Needs regular attention.</p>
Vault Openings and Trench Construction Westport/Norwalk	<p>Active trenching and/or steel road plates were observed at the time of the inspection near sta #130-131, #231-233, #254-258, #316-318, & #381. Sawcutting was noted at sta #256-257. 2/7/08</p>	<p>See Erosion and Sediment Controls section of this report for additional details. 2/7/08</p>	<p>NA</p>
Erosion and Sediment Controls	<p>Controls were removed from catch basins (CBs) on state routes per the request of ConnDOT to</p>	<p>Since controls are no longer in place in the catch basins, attend to all sediment at the source</p>	<p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Norwalk	<p>improve drainage during winter conditions. Contractor plans to discontinue use of CB controls on all roadways during winter months. 2/7/08</p>	<p>and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. 2/7/08</p>	
	<p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Silt fence has been re-installed but not properly toed-in. 1/24-2/7/08 However, the roadway remains free of sediment accumulation. 2/7/08</p>	<p>Continue to stabilize exposed soils sufficiently for the winter. Properly toe-in the silt fence and continue to monitor and sweep the roadway as necessary. 1/24-2/7/08</p>	<p>Silt fence needs additional attention.</p>
	<p>Backfilled soil near sta. #129-131 remains temporarily stabilized with mulch. Trenching/vault tie-in work continues in the parking lot area, which was covered with steel plates at the time of the inspection. 2/7/08</p>	<p>Sweep area if necessary and continue to monitor for stabilization. 2/7/08</p>	<p>Continue to monitor.</p>
Westport	<p>Erosion controls remain in place between the hard-pack material and Stony Brook at sta. #217. Some areas appear to have the potential to run-off. 1/24-2/7/08</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all gravel material remains contained. See Inland Wetlands section for more details. 1/24-2/7/08</p>	<p>Continue to monitor.</p>
	<p>Saw cutting was recently performed near sta. #254-257. A minor amount of residual slurry remained on the roadway. The street was temporarily closed to facilitate trenching activities and tracking was not an issue. 2/7/08</p>	<p>Sweep roadway as necessary. Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 2/7/08</p>	<p>Needs attention.</p>
	<p>Silt fence remains between the road and the brook off Imperial Ave. at sta. #260.</p>	<p>Properly maintain silt fence during active construction and remove</p>	<p>NA</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>Trenching work is almost complete at which time the silt fence will be removed. 2/7/08</p>	<p>when the area is stable. 2/7/08</p>	
	<p>A pre-cast concrete retaining wall was constructed at the corner of Imperial Ave. and Rte. 1 near sta. #264-265. Two steel plates remain in the parking lot area and a minor amount of sediment was also observed. 2/7/08</p>	<p>Sweep parking lot area as necessary to reduce the potential for tracking. 2/7/08</p>	<p>Needs attention.</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 ruts and tracking continue (since 11/21). Electrical contractors continue active work here. 1/11-2/7/08</p>	<p>Remove the accumulated sediment along the curb and sweep the roadway as necessary. Temporarily stabilize any portions where active work/access is no longer required. The remainder of this area needs to be sufficiently stabilized for the winter months. 12/31- 2/7/08</p>	<p>Needs attention.</p>
	<p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-2/7/08</p>	<p>Replace bituminous curbing when work is complete in this area. 1/24-2/7/08</p>	<p>Needs attention.</p>
	<p>Temporary bituminous curbs in place near sta. #382 (vault #23) had begun to deteriorate, but appear to have been recently restored. The area remains backfilled w/ hard-pack and stabilized with hay mulch. 2/7/08</p>	<p>Continue to monitor the area. Sweep roadway as necessary. Improve stabilization efforts and monitor until area is permanently stabilized. 11/15/07-2/7/08</p>	<p>Temporary curbing appears to have been restored.</p>
	<p>Perimeter controls remain in place. Stone previously spread throughout the yard has been plowed into piles near the perimeter controls, during snow removal activities. 12/31-2/7/08 Sediment tracking was</p>	<p>Continue to monitor and maintain controls and sweep the roadway as necessary. Spread the crushed stone throughout the yard to reduce the potential for tracking and to limit the amount of material piled near</p>	<p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Sherwood Island lay-down yard</p>	<p>not an issue this week. 2/7/08</p> <p>Perimeter controls remain in place. Vehicles and equipment continue to park in areas adjacent to the access road. Crushed stone is in place in some areas but remaining areas are still becoming heavily rutted and muddy. 1/24-2/7/08</p> <p>The yard was very muddy from recent rains and heavy sediment tracking was observed along the access road and along Sherwood Island Connector. 2/7/08</p>	<p>controls. 12/31-. 2/7/08</p> <p>Continue to sweep the roadway and monitor and maintain controls as necessary. Continue spreading crushed stone where equipment is being stored to reduce tracking. Full restoration (including stone removal) will be needed when access needs are complete. 2/7/08</p>	<p>Needs 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. 2/7/08</p> <p>Construction activities appear to be complete at Stony Brook. Flow has been returned to original channel. Areas have been seeded but not mulched. Grass cover is present in some areas while other areas adjacent to the walls are still bare/ gravel material. 9/11/07-2/7/08</p>	<p>See Erosion and Sediment Controls section. 2/7/08</p> <p>Continue restoration/ stabilization efforts and monitor until vegetation is fully restored. See Erosion and Sediment Controls section for additional details. Ensure that cover is sufficient for winter months. 2/7/08</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. 2/7/08</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. 2/7/08</p>	<p>See the Erosion and Sediment Controls section for more detail 2/7/08</p> <p>See Erosion and Sediment Controls section for more detail. 2/7/08</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Soils</p>	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 2/7/08</p> <p>Minor amounts of soil have been exposed as part of the vault #6, #8, #9, #11, #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. 3/15/07-2/7/08</p> <p>Vehicles continue to park on the previously seeded areas/exposed soils near sta. #334 (vault #20). The soil is well compacted and rutting no longer appears to be an issue. 2/7/08</p>	<p>Soils appear to have been handled appropriately. 2/7/08</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. 2/7/08</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. Install bituminous curbing. 11/21/07-2/7/08</p>	<p>NA</p> <p>Continue to monitor areas.</p> <p>Contractor is currently working with the landowner to resolve the parking situation.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area. 2/7/08</p>	<p>None. 2/7/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Trees were previously removed near vault #12 to accommodate work. 2/7/08</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 adjacent businesses. 11/08/07-2/7/08</p> <p>Two trees have previously been removed near sta. #145 per the D&M plan. 2/7/08</p>	<p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 2/7/08</p> <p>Areas can be considered stable once it has reached 75% cover. See Soils section. Work on solutions with the landowner and apply sufficient mulch for the winter. 2/7/08</p> <p>Cleared trees have been removed in accordance with the D&M plan. Restore as required by the D&M plan when feasible. 2/7/08</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering activities were observed near sta #381. Crews had appropriately connected hoses and were discharging clean water directly into a catch basin at the time of the inspection. 2/7/08	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 over exposed soils and roadways. 2/7/08	NA
Spills and Material Storage	Spill cleanup materials/kits were observed in the storage yard. 2/7/08	Ensure that spill kits are also present with each vehicle during active construction. 2/7/08	NA
	The designated concrete washout area along the shoulder of Imperial Ave. near sta. #264-265 has been removed as work was completed in the area. 2/7/08	Continue to establish designated and contained areas for concrete washouts near active work areas. 2/7/08	NA
	A light post and associated concrete footings were being stored at sta #148. Materials appear to be project related. 10/4/07-2/7/08	Remove or attend to materials when feasible. 10/4/07-2/7/08	Needs attention when feasible
Additional Observations	None. 2/7/08	None. 2/7/08	NA

Next likely scheduled inspection: Thursday, February 14, 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



Retaining wall has been replaced at the corner of Imperial Ave. and Rte. 1 between sta. #264 to 265. Two steel plates remain in the Parking lot and a minor amount of sediment was observed being tracked from the parking lot area.



Trenching activities continue along Imperial Ave. near sta. # 257 to 258. The pavement was recently saw cut between sta. #254-257 and a minor amount of residual slurry was observed on the pavement. This portion of the roadway was temporarily closed and tracking was therefore not an issue. However, sweep the remaining slurry before it can run-off to catch basins.



The Sherwood Island lay-down yard was very muddy due to the recent rain event. Heavy sediment tracking was observed along the access road to the yard and along Sherwood Island Connector. The areas along the shoulders of the access road remain heavily rutted and muddy.

