

**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 14, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** A trace of precipitation was reported on 2/13 which was the only precipitation recorded since the previous week's inspection. (Bridgeport, CT NOAA data).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<p>All work is within existing paved roadways at this time. 2/14/08</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. 1/11-2/14/08</p>	<p>None. See erosion control section for details on sediment tracking. 2/14/08</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. 2/14/08</p>	<p>NA (Not applicable)</p> <p>Needs regular attention.</p>
<b>Vault Openings and Trench Construction Westport/Norwalk</b>	<p>Active trenching and/or steel road plates were observed at the time of the inspection near sta #164, #185, #218, #231-233, #251, #253-257, #316-318, &amp; #381. Some concrete work was noted at the Stony Brook bridge. 2/14/08</p>	<p>See Erosion and Sediment Controls section of this report for additional details. 2/14/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Erosion and Sediment Controls</b></p> <p><b>Norwalk</b></p>	<p>Controls have been removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls on all roadways during winter months. 2/14/08</p> <p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Silt fence is in disrepair and needs to be restored in some areas. However, the roadway remains free of sediment accumulation. 2/14/08</p> <p>Work appears complete near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. Ruts were observed in the parkway area with minor sediment tracking along the roadway. 2/14/08</p>	<p>Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. 2/14/08</p> <p>Continue to stabilize exposed soils sufficiently for the winter. Repair damaged sections of silt fence and continue to monitor and sweep the roadway as necessary. 2/14/08</p> <p>Re-grade the parkway area to remove the ruts. Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 2/14/08</p>	<p>Needs regular attention.</p> <p>Silt fence needs additional attention.</p> <p>Needs attention.</p>
<p><b>Westport</b></p>	<p>Erosion controls are deteriorating between the hard- pack material and Stony Brook at sta. #217 and don't provide complete coverage. Some areas of process material and soil appear to have the potential to run-off (since 1/24). 2/14/08</p> <p>Crews were staging materials and equipment in the previous HDD laydown area on the east side of the Saugatuck River near sta. #251. The</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-2/14/08</p> <p>Sweep roadway as necessary. Reduce traffic through the driveway directly off of Imperial Ave. and access area through the existing</p>	<p>Needs evaluation.</p> <p>Needs attention.</p>

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	<p>area was muddy and tracking was observed along Imperial Ave. 2/14/08</p> <p>Saw cutting was previously performed near sta. #254-257. A minor amount of residual slurry remained on the roadway. The residual slurry material has since been swept and/or washed away. 2/14/08</p> <p>Silt fence remains between the road and the brook off Imperial Ave. at sta. #260. Trench work is almost complete at which time the silt fence will be removed. 2/14/08</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. 2/7-2/14/08</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. 1/11-2/14/08</p> <p>Bituminous curbing along the north side of the median near sta. #316-318 is</p>	<p>stone construction entrance. Refresh stone in the pad as needed. Temporary barriers may be recommended in this area to reduce vehicle traffic and tracking through this area. 2/14/08</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>Properly maintain silt fence during active construction and remove when the area is stable. 2/14/08</p> <p>Sweep parking lot area as necessary to reduce the potential for tracking. 2/14/08</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- 2/14/08</p> <p>Replace bituminous curbing when work is complete in this area.</p>	<p>The residual slurry material has since been swept and/or washed away.</p> <p>NA</p> <p>Needs attention.</p> <p>Needs attention.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Kings Highway Lay-down Yard (Fairfield)</b> (Currently being used for Segment 4a and 4b operations.)</p> <p><b>Sherwood Island lay-down yard</b></p>	<p><b>broken and/or missing in some areas. 1/24-2/14/08</b></p> <p><b>Perimeter controls remain in place. Stone previously spread throughout the yard has been plowed into piles near the perimeter controls, during snow removal activities. 12/31-2/14/08</b></p> <p><b>Sediment tracking was not an issue this week. 2/14/08</b></p> <p><b>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. 1/24-2/14/08</b></p> <p><b>The yard was very muddy from recent rains and heavy sediment tracking was observed along the access road and along Sherwood Island Connector. 2/7-2/14/08</b></p>	<p><b>1/24-2/14/08</b></p> <p><b>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 controls. 12/31-2/14/08</b></p> <p><b>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. 2/14/08</b></p>	<p><b>Needs attention when feasible.</b></p> <p><b>Needs attention.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The Kings Highway lay-down yard is located adjacent to potential resource areas and a concrete lined waterway. 2/14/08</b></p> <p><b>Some concrete work on the Stony Brook bridge was noted. Adjacent 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. (since 9/11/07) 2/14/08</b></p>	<p><b>See Erosion and Sediment Controls section. 2/14/08</b></p> <p><b>Continue restoration/stabilization efforts and monitor until vegetation is fully restored. See Erosion and Sediment Controls section for additional details. Exposed material appears to have the potential to wash into the stream. 2/14/08</b></p>	<p><b>NA</b></p> <p><b>Needs evaluation.</b></p>
<p><b>Staging Storage, and Parking Areas</b></p>	<p><b>A contractor lay-down yard is located within</b></p>	<p><b>See the Erosion and Sediment Controls</b></p>	<p><b>NA</b></p>

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	<p><b>Sherwood Island State Park. 2/14/08</b></p> <p><b>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. 2/14/08</b></p> <p><b>The old HDD laydown yard on the east side of the Saugatuck River is being utilized by the 4b contractors. 2/14/08</b></p>	<p><b>section for more detail 2/14/08</b></p> <p><b>See Erosion and Sediment Controls section for more detail. 2/14/08</b></p> <p><b>See Erosion and Sediment Controls section for more detail. 2/14/08</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Soils</b></p>	<p><b>Exposed soils were noted due to excavation for trench, vault, and utility work. 2/14/08</b></p> <p><b>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. 3/15/07-2/14/08</b></p> <p><b>Vehicles continue to park on the previously seeded areas/exposed soils near sta. #334 (vault #20). The soil is well compacted. Minor rutting and tracking were observed. 2/14/08</b></p>	<p><b>Soils appear to have been handled appropriately. 2/14/08</b></p> <p><b>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. 2/14/08</b></p> <p><b>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 11/21/07-2/14/08</b></p>	<p><b>NA</b></p> <p><b>Continue to monitor areas.</b></p> <p><b>Contractor is currently working with the landowner to resolve the parking situation.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in this work area. 2/14/08</b></p>	<p><b>None. 2/14/08</b></p>	<p><b>NA</b></p>
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p><b>Trees were previously removed near vault #12 to accommodate work. 2/14/08</b></p>	<p><b>Cleared trees have been removed in accordance with the D&amp;M plan. Restore as required by the D&amp;M plan when feasible. 2/14/08</b></p>	<p><b>NA</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<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. 11/08/07-2/14/08</p> <p>Two trees have previously been removed near sta. #145 per the D&amp;M plan. 2/14/08</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. 2/14/08</p> <p>Cleared trees have been removed in accordance with the D&amp;M plan. Restore as required by the D&amp;M plan when feasible. 2/14/08</p>	<p>Needs attention when feasible.</p> <p>NA</p>
<b>Dewatering</b>	<p>Dewatering activities were observed near sta. #381. Crews appropriately connected hoses and were discharging water directly into a catch basin at the time of the inspection. 2/14/08</p>	<p>Appropriately filter discharge water. When dewatering stormwater from completed vaults, discharge the water directly into a catch basin rather than allowing flow over exposed soils and roadways. 2/14/08</p>	NA
<b>Spills and Material Storage</b>	<p>Spill cleanup materials/kits were observed in the storage yard. 2/14/08</p> <p>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-2/14/08</p>	<p>Ensure that spill kits are also present with each vehicle during active construction. 2/14/08</p> <p>Remove or attend to materials when feasible. 10/4/07-2/14/08</p>	<p>NA</p> <p>Needs attention when feasible</p>
<b>Additional Observations</b>	None. 2/14/08	None. 2/14/08	NA

**Next likely scheduled inspection:**

**Thursday, February 21, 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 remains along the edge of the roadway near sta. #81. Portions of the silt fence are in need of repair.**

**Work has been completed near sta. #129 to 130 and the area has been temporarily stabilized with mulch. Ruts were observed along the parkway area, with a minor amount of sediment tracked into the roadway.**



**Vault tie-in work continues near vault #11. Steel plates remain in place over portions of the trench.**

**Crews continue concrete work on the existing structure near Stony Brook, sta. #213. Adjacent process material/exposed soil areas have the potential to wash into the stream. Provide further stabilization or improve controls.**



**Trenching continues along Lincoln St. near sta. #231 to 233. Steel plates were in place along the roadway.**



**Trenching and backfilling activities continue along Imperial Ave. between sta. #255 to 256.**



**Crews are staging equipment and materials in the lay-down yard on the east side of the Saugatuck River. The area was very muddy and tracking was becoming an issue. Frac tanks were being delivered at the time of the inspection. Providing clean stone at the entrance could help alleviate tracking.**



**The Sherwood Island lay-down yard was very muddy. Heavy tracking was observed along the access road to the yard and along Sherwood Island Connector.**