

**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:** March 13, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 1.97" of precipitation was reported since the previous inspection with 1.26" recorded on 3/7 and 0.70" recorded on 3/8 (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. 3/13/08</p> <p>Minimal sediment tracking was observed from the shoulder of the access road to the Sherwood Island yard. During past rain events, turbid run-off has been observed reaching catch basins. (Since 1/11) A small sink hole has formed along the access drive. Ruts along the shoulder appear to have been re-graded. 3/13/08</p>	<p>None. See erosion control section for details on sediment tracking. 3/13/08</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. 3/13/08</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. #164, #185, 232, &amp; #252-254. Vault tie-in work was noted near #232 and #252. 3/13/08</p>	<p>See Erosion and Sediment Controls section of this report for additional details. 3/13/08</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><b>Westport</b></p>	<p>Controls were 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. 3/13/08</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. 3/13/08</p>	<p>Needs regular attention.</p>
	<p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Portions of the silt fence are in disrepair again and needs to be restored. However, the roadway appears to have been recently swept and remains free of sediment accumulation. 3/13/08</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. 2/14-3/13/08</p>	<p>Silt fence needs additional attention.</p>
	<p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 3/13/08</p>	<p>Sweep area if necessary and continue to monitor for stabilization. 3/13/08</p>	<p>NA</p>
	<p>Portions of the 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). 3/13/08</p> <p>Tie-in work for vault #15 was ongoing in the staging area on the east side of the Saugatuck River near sta. #251. Adjacent catch basin was protected. The area was very muddy from heavy</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-3/13/08</p> <p>Sweep parking lot as necessary. Refresh construction entrance and continue to access area through the existing stone construction entrance. 3/13/08</p>	<p>Continue to monitor.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>vehicle activity. Dump trucks were accessing the site via the existing stone construction entrance, which has become covered with mud and needs refreshing (since 3/6). Tracking was observed in the parking lot and along the access drive. 3/13/08</b></p> <p><b>Trenching work has been completed near sta. #260. The remaining silt fence has been removed from between the road and the brook off Imperial Ave. 3/13/08</b></p> <p><b>A pre-cast concrete retaining wall was constructed at the corner of Imperial Ave. and Rte. 1 near sta. #264-265. Wooden guide rail has been installed on top of the wall. Two steel plates remain in the parking lot area and a minimal amount of residual sediment was also observed. 3/13/08</b></p> <p><b>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 significant ruts and tracking on the roadway remain (since 11/21) as a result of access by electrical contractors. Active work appears complete and stabilization is needed. 2/21-3/13/08</b></p> <p><b>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in</b></p>	<p><b>Continue to monitor the area for full stabilization. 3/13/08</b></p> <p><b>Sweep parking lot area as necessary to reduce the potential for tracking. 3/13/08</b></p> <p><b>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. 12/31- 3/13/08 Coordinate responsibilities between contractors if needed. 3/13/08</b></p> <p><b>Replace bituminous curbing if work is complete in this area. 1/24-3/13/08</b></p>	<p><b>Silt fence has been removed.</b></p> <p><b>Needs attention when feasible.</b></p> <p><b>Needs attention.</b></p> <p><b>Needs attention when work is complete in the area.</b></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>some areas. 1/24-3/13/08</b></p> <p><b>Perimeter controls remain in place. Minor sediment tracking was observed. (See 4A report for more details.) 3/13/08</b></p> <p><b>Perimeter controls remain in place. Sediment tracking was observed along the access road. Some of the ruts along the shoulders of the access road appear to have been re-graded but vehicles and equipment continue to park in adjacent areas. A small sink hole has also formed in the access road 3/13/08</b></p>	<p><b>Continue to monitor and maintain controls. Spread the crushed stone throughout the yard to limit the amount of material piled near controls. 12/31-3/13/08</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. 3/13/08</b></p>	<p><b>Needs attention when feasible.</b></p> <p><b>Some of the ruts have been regraded. Needs regular 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. 3/13/08</b></p> <p><b>Areas adjacent to the Stony Brook bridge 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) 3/13/08</b></p>	<p><b>See Erosion and Sediment Controls section. 3/13/08</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. (noted since 2/14) Consider working out a shrub planting plan with the landowner to provide shading for the brook 3/6-3/13/08</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 Sherwood Island State Park. 3/13/08</b></p>	<p><b>See the Erosion and Sediment Controls section for more detail 3/13/08</b></p>	<p><b>NA</b></p>

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	<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. 3/13/08</p> <p>The old HDD laydown yard on the east side of the Saugatuck River is being utilized by the 4b contractors. 3/13/08</p>	<p>See Erosion and Sediment Controls section for more detail. 3/13/08</p> <p>See Erosion and Sediment Controls section for more detail. 3/13/08</p>	<p>NA</p> <p>NA</p>
<p><b>Soils</b></p>	<p>Exposed soils were noted due to excavation for trench, vault, and utility work. 3/13/08</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. 3/15/07-3/13/08</p> <p>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. 3/13/08</p> <p>Vault tie-in work is completed on one of the two circuits near the west side of the Saugatuck (sta #232) and the area is backfilled with processed material. The area is expected to be paved within the next few weeks. 3/13/08</p>	<p>Soils appear to have been handled appropriately. 3/13/08</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. 3/13/08</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 11/21/07-3/13/08</p> <p>Stabilize exposed soils as necessary. Pave area as soon as feasible to permanently restore area. 3/13/08</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>Needs attention when active work is complete.</p>
<p>State species of concern, threatened</p>	<p>According to the D&amp;M plan, state-listed species</p>	<p>None. 3/13/08</p>	<p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>and endangered species.</b>	<b>are not located in this work area. 3/13/08</b>		
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p><b>Trees were previously removed near vault #12 to accommodate work. 3/13/08</b></p> <p><b>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. 11/08/07-3/13/08</b></p> <p><b>Two trees have previously been removed near sta. #145 per the D&amp;M plan. 3/13/08</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. 3/13/08</b></p> <p><b>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. 3/13/08</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. 3/13/08</b></p>	<p><b>NA</b></p> <p><b>Needs attention when feasible.</b></p> <p><b>NA</b></p>
<b>Dewatering</b>	<b>Dewatering activities were observed at sta. #232 &amp; 252-254. 3/13/08</b>	<b>Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&amp;M. 3/13/08</b>	<b>Dewatering appears to be handled appropriately.</b>
<b>Spills and Material Storage</b>	<p><b>Spill cleanup materials/kits were observed in the storage yard. 3/13/08</b></p> <p><b>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-3/13/08</b></p> <p><b>Mulch and soil remain temporarily stockpiled in the staging area. Hay-bales were in place, partially surrounding the stockpile base. 3/13/08</b></p>	<p><b>Ensure that spill kits are also present with each vehicle during active construction. 3/13/08</b></p> <p><b>Remove or attend to materials when feasible. 10/4/07-3/13/08</b></p> <p><b>Ensure that the stockpiled materials are adequately contained. Remove or attend to materials when feasible. 3/13/08</b></p>	<p><b>NA</b></p> <p><b>Needs attention when feasible</b></p> <p><b>Haybales were partially in place.</b></p>
<b>Additional Observations</b>	<b>Crews were repairing a sewer lateral near sta.</b>	<b>None. 3/13/08</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	#232 that was apparently damaged during construction. 3/13/08		

**Next likely scheduled inspection:** Thursday, March 20, 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





**On the east side of the Saugatuck River, vault work continues. Sediment tracking was observed along the parking lot area and the stone construction entrance needs refreshing.**



**Crews are fusing sections of conduits to complete the tie-in work at the vault near sta. #252.**



**A wooden guide rail has been installed along the top of the retaining wall near sta. #264.**



**Vault tie-in work continues on the west side of the Saugatuck River near sta. #232. One of the two circuits has already been backfilled.**