

**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:** May 1, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 1.89" of precipitation was reported since the previous inspection, with 1.62" recorded on 4/28 (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. 5/1/08  Minimal sediment tracking was observed from the shoulder of the access road to the Sherwood Island yard. A small sink hole remains along the access drive. Crushed stone remains along the shoulder of the access road. 5/1/08	None. See erosion control section for details on sediment tracking. 5/1/08  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. 5/1/08	NA (Not applicable)  Needs regular attention.
Vault Openings and Trench Construction Westport/Norwalk	Active trenching and/or steel road plates were observed at the time of the inspection near sta. #80-81, #147-148, #150-151, #162-166, #231-234, & #432-435. 5/1/08	See Erosion and Sediment Controls section of this report for additional details. 5/1/08	NA
Erosion and Sediment Controls	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	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	Needs regular attention.

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<p><b>Norwalk</b></p>	<p>of controls for the duration of the project and clean basins as necessary. 5/1/08</p>	<p>basins as necessary. 5/1/08</p>	
	<p>Temporary curbing remains along Westport Ave. near sta. #81 (vault #5) to minimize the potential for erosion. Area has been backfilled with processed material. Some sections of silt fence need repair. 4/24-5/1/08</p>	<p>Continue to stabilize exposed soils. Repair damaged sections of silt fence. Continue to monitor and sweep the roadway as necessary. 4/24-5/1/08</p>	<p>Needs attention.</p>
	<p>Uncontained concrete washouts were also observed in a couple locations. 5/1/08</p>	<p>Remove concrete washout and properly dispose of material. Contain future washout material. 5/1/08</p>	<p>Needs attention.</p>
<p><b>Westport</b></p>	<p>Work appears completed near sta. #129-131 and the area remains temporarily stabilized with processed material and mulch. 5/1/08</p>	<p>Stabilize exposed soil. Sweep area if necessary and continue to monitor for stabilization. 5/1/08</p>	<p>NA</p>
	<p>Active trench work had been occurring near sta. #147. Plywood was being used to cover the adjacent catch basin. 4/24-5/1/08</p>	<p>Evaluate whether the plywood is an adequate control if work is still occurring here. 4/24-5/1/08</p>	<p>Additional evaluation needed.</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). 5/1/08</p>	<p>Continue to monitor and maintain controls as necessary. Ensure that all material remains contained. See Inland Wetlands section for more details. 1/24-5/1/08</p>	<p>Continue to monitor.</p>
<p>The staging area on the east side of the Saugatuck River near sta. #251 has been restored. Stone remains near the corner of the access drive to minimize the potential for tracking. The drainage swale remains restored</p>	<p>Continue to sweep parking lot as necessary. Continue restoration efforts. 5/1/08</p> <p>The berm will need adjacent erosion controls until it is stabilized with vegetation. 4/03-5/1/08</p>	<p>Continue to monitor. May need controls if vegetative cover does not establish.</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Kings Highway Lay-down Yard (Fairfield) (Currently being used for Segment 4a and 4b operations.)</b></p> <p><b>Sherwood Island lay-down yard</b></p>	<p>and lined with crushed stone and vegetation is beginning to grow on the dirt berm. 5/1/08</p>	<p>See staging area section. 5/1/08</p>	
	<p>Sediment tracking and heavy rutting was observed in the island near sta. #316-318 (since 11/21) as a result of access by electrical contractors. Active work has been complete for several months (since 2/21) and stabilization is needed. 2/21-5/1/08</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. 12/31- 5/1/08 Coordinate responsibilities between contractors if needed. 5/1/08</p>	<p><b>Needs attention.</b></p> <p><i>Contractors are currently working out responsibility for this area.</i></p>
	<p>Bituminous curbing along the north side of the median near sta. #316-318 is broken and/or missing in some areas. 1/24-5/1/08</p>	<p>Replace bituminous curbing if work is complete in this area. 1/24-5/1/08</p>	<p><b>Needs attention when work is complete in the area</b></p>
	<p>Perimeter controls remain in place but some areas need repair. (See 4A report for more details.). Sediment tracking and dust migration were minor issues. 5/1/08</p>	<p>Continue to sweep the roadway as necessary. Continue to monitor and maintain controls. Consider watering the yard or spreading out the stone piles to control dust. 5/1/08</p>	<p><b>Needs attention when feasible.</b></p>
	<p>Perimeter controls remain in place. Sediment tracking was not observed along the access road. Crushed stone remains throughout the yard. Vehicles and equipment continue to park in areas adjacent to the access road. A sink hole has also formed in the access road (since 3/13).. Washout water (from cleaning the frac tanks) was dumped into the material stockpile to bind together prior to disposal. 5/1/08</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. 5/1/08</p>	<p><b>Needs regular attention.</b></p>

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<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. 5/1/08</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). 5/1/08</b></p>	<p><b>See Erosion and Sediment Controls section. 5/1/08</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 3/6-5/1/08</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. 5/1/08</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. 5/1/08</b></p> <p><b>4b contractors were working to restore the old HDD laydown yard on the east side of the Saugatuck River. Wood chips and chain link fence are still stockpiled here. The dirt berm and some portions of the yard remain exposed but grass cover was just beginning to establish. 5/1/08</b></p>	<p><b>See the Erosion and Sediment Controls section for more detail 5/1/08</b></p> <p><b>See Erosion and Sediment Controls section for more detail. 5/1/08</b></p> <p><b>Continue to monitor, especially in the area of exposed soil and the earthen berm. Controls may be needed until the area stabilized. 5/1/08</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Grass is starting to grow but area needs to be monitored.</b></p>
<p><b>Soils</b></p>	<p><b>Exposed soils were noted due to excavation for trench, vault, and utility work. 5/1/08</b></p>	<p><b>Soils appear to have been handled appropriately. 5/1/08</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Minor amounts of soil have been exposed as part of the vault construction and tie-in activities. Portions of the exposed soil near the vaults remain stabilized with hard-pack material or crushed stone. 5/1/08</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. 5/1/08</p> <p>Vault tie-in work near sta. #234 is completed and the area is backfilled and is expected to be paved within the next few weeks (since 3/20). Topsoil, seed and mulch have been spread in adjacent areas as part of restoration efforts. 5/1/08</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, the areas should be seeded, and mulched as part of permanent restoration. 5/1/08</p> <p>Continue to monitor the area. Work out the parking situation with the landowner. Install bituminous curbing. 11/21/07-5/1/08</p> <p>Monitor areas of exposed soils for vegetation growth. Pave area as soon as feasible to permanently restore area. 3/20-5/1/08</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 feasible.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area. 5/1/08</p>	<p>None. 5/1/08</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. 5/1/08</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. 11/08/07-5/1/08</p> <p>Two trees have previously</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. 5/1/08</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. 5/1/08</p> <p>Cleared trees have been</p>	<p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>been removed near sta. #145 per the D&amp;M plan. 5/1/08</b>	<b>removed in accordance with the D&amp;M plan. Restore as required by the D&amp;M plan when feasible. 5/1/08</b>	
<b>Dewatering</b>	<b>Dewatering was not observed during this week's inspection. 5/1/08</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. 5/1/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<p><b>Spill cleanup materials/kits were observed in the storage yard. 5/1/08</b></p> <p><b>A light post and associated concrete footings were being stored at sta. #148. Materials appear to be project related. 10/4/07-5/1/08</b></p> <p><b>Wood chip mulch and chain link fencing is temporarily stockpiled in the staging area even though most of the yard has been restored. 4/10-5/1/08</b></p> <p><b>The contractor is planning to dispose of the woodchips off-site. 4/24-5/1/08</b></p>	<p><b>Ensure that spill kits are also present with each vehicle during active construction. 5/1/08</b></p> <p><b>Remove or attend to materials when feasible. 10/4/07-5/1/08</b></p> <p><b>Ensure that the stockpiled materials are adequately contained. Remove or attend to materials when feasible. 4/10-5/1/08</b></p>	<p><b>NA</b></p> <p><b>Needs attention when feasible.</b></p> <p><b>Needs attention when feasible.</b></p>
<b>Additional Observations</b>	<b>None. 5/1/08</b>	<b>None. 5/1/08</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday May 8, 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



**The area near sta. #231-234 remains prepared for paving for several weeks. Seed and mulch were previously spread over the portion of exposed soil that is not slated for paving.**



**Area of exposed soil near sta. #231 was previously seeded and is beginning to vegetate. Continue to monitor.**



**Frac tank washout water has been mixed with the material stockpile in the Sherwood Island yard to bind the material for disposal.**



**Work continues on both sides of the bridge over Sasco Creek near sta. #435 in preparation for hanging the conduit from the bridge deck.**