

**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 4c Underground Line**

**Date:** March 6, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.75" of precipitation was reported since the previous inspection with 0.29" recorded on 3/1 and 0.22" recorded on 3/4 and 3/5 (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>	<b>All work is within existing paved roadways and parking lots at this time. 3/6/08</b>	<b>None: 3/6/08</b>	<b>NA (Not applicable)</b>
	<b>A temporary lane closure was set up near sta. #16-17 to facilitate trench-work. 3/6/08</b>	<b>None: 3/6/08</b>	<b>NA</b>
<b>Vault Openings and Trench Construction Norwalk</b>	<b>Trenching/ backfilling work continues near sta. #14-16 &amp; #26-27. Vault tie-in work was nearly complete near vault #15. 3/6/08</b>	<b>Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 3/6/08</b>	<b>NA</b>
<b>Erosion and Sediment Controls</b>	<b>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. 3/6/08</b>	<b>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. 3/6/08</b>	<b>Needs regular attention.</b>
	<b>A minor amount of sediment tracking was</b>	<b>Continue to sweep parking lot as necessary</b>	<b>Needs attention. A field supervisor was</b>

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	<p><b>observed near sta. #25 near the temporary access drive to the CL&amp;P yard. A field supervisor was proactively addressing the issue. 3/6/08</b></p> <p><b>A haybale remains at the small break between the sections of silt fence at sta. #15-16 to reinforce the controls. Work is nearing completion in the area, but the area was very muddy. 3/6/08</b></p> <p><b>The haybale and silt fence barrier remains in good shape between sta. #15-18 along the down gradient side of the slope Trench has been backfilled in this area, but large areas of exposed soil remain. 3/6/08</b></p> <p><b>Trenching continues near sta. #16-17. A minor amount of sediment tracking was observed along the roadway within the lane closure. 2/21-3/6/08 Crews were observed sweeping this area. 3/6/08</b></p> <p><b>A drainage inlet near sta. #9+50 was protected with silt fence and hay bales, but accumulated sediment remains in the inlet. 12/5-3/6/08 Hay bales are deteriorating 1/11-3/6/08</b></p> <p><b>The inlet at #9+50 was associated with a pre-construction drainage swale. Trench work has modified the grades in the area (removing the</b></p>	<p><b>to reduce tracking and remove accumulated sediment. 3/6/08</b></p> <p><b>Monitor and maintain silt fence, install additional erosion control measures as necessary. Temporarily stabilize areas of exposed soils and permanently restore in the spring. 3/6/08</b></p> <p><b>Continue to monitor controls here and maintain as needed Temporarily stabilize exposed soils, until they can be permanently stabilized in the spring. 3/6/08</b></p> <p><b>Continue to sweep roadway as necessary to reduce tracking and remove accumulated sediment from the roadway at the end of the workday prior to re-opening the lane. 3/6/08</b></p> <p><b>Remove accumulated sediment from the drainage inlet. Continue to monitor controls and refresh as necessary. From past observations during the Bethel- Norwalk project, this inlet receives high velocity run-off. 12/5-3/6/08</b></p> <p><b>Contractors have stated they plan to restore the drainage swale to pre-construction conditions when work is complete. Continue to ensure that</b></p>	<p><i>working on the issue.</i></p> <p><b>Needs attention when work is temporarily complete.</b></p> <p><b>Needs temporary stabilization within timelines.</b></p> <p><b>Needs regular attention. Sweeping was observed.</b></p> <p><b>Needs additional attention to remove accumulated sediment and refresh hay bales.</b></p> <p><b>Continue to monitor. (See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project</b></p>

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<p><b>Norwalk            Norwalk lay-down            yard</b></p>	<p><b>swale). A portion of the swale has been temporarily re-established between sta. #4+50 to 6+50 and lined with crushed stone. 3/6/08</b></p> <p><b>A stone check dam has been added near sta. #8 to direct runoff away from the entrance gate. Crushed stone remains over some areas of the exposed soil between sta. #6-10 along the shoulder of the Rt. 7 off-ramp. Graded process material remains in other areas. Tracking was not an issue. 3/6/08</b></p> <p><b>The yard is lined with perimeter erosion controls (silt fence and haybales). The area adjacent to the Norwalk River is protected by an existing concrete dock. 3/6/08</b></p> <p><b>A small asphalt berm remains at the one tank located on the concrete slab in order to direct run-off towards the concrete pit. 3/6/08</b></p>	<p><b>drainage does not cause issues on the roadway. When conditions allow, evaluate restoring vegetation in this area. 3/6/08</b></p> <p><b>Discuss options with CL&amp;P on how to address the material that has previously eroded into the substation. Ensure that the berm does not cause sedimentation to the roadway instead. 3/6/08</b></p> <p><b>Install barrier controls between the Norwalk River in locations that runoff may flow from the yard to the River before materials are brought to site. The existing concrete slab/dock provides a good barrier. 3/6/08</b></p> <p><b>Continue to monitor to ensure run-off is fully contained. 3/6/08</b></p>	<p><i>as reference)</i></p> <p><b>Discuss options with CL&amp;P on clean-up efforts within substation.</b></p> <p><b>Continue to monitor.</b></p> <p>NA</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The Norwalk storage yard is bound on the westerly side by the Norwalk River. The existing concrete dock provides good containment. 3/6/08</b></p> <p><b>A resource area appears to be located down gradient from the work near sta#15-18. 3/6/08</b></p>	<p><b>See erosion control section. 3/6/08</b></p> <p><b>See Erosion &amp; Sediment Controls section for more details. 3/6/08</b></p>	<p>NA</p> <p>NA</p>

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<b>Staging, Storage, and Parking Areas</b>	<b>A contractor lay-down yard is located at 6 Smith Street in Norwalk. An existing concrete slab and depression/pit provide good containment here. At present, only frac tanks are being stored in the yard. 3/6/08</b>	<b>Continue to properly isolate yard from Norwalk River to prevent any impacts to the watercourse. If any loose materials are stored on top of the slab, more controls will be needed. 3/6/08</b>	<b>Needs attention if working within exposed area</b>
<b>Soils</b>	<b>Soil is exposed during trenching, vault and utility installation during active work. 3/6/08</b>  <b>Crushed stone remains over some areas of exposed soils along the Rt. 7 off-ramp. This area remains inactive. 3/6/08</b>	<b>Soils appear to be handled appropriately. Ensure any material stockpiles are contained. 3/6/08</b>  <b>Stabilize areas of exposed soils when work is complete. Temporarily stabilize any areas where exposed soils are expected to remain inactive for more than 21 days. 3/6/08</b>	<b>NA</b>  <b>NA</b>
<b>State species of concern, threatened and endangered species.</b>	<b>According to the D&amp;M plan, state-listed species are not located in this work area. 3/6/08</b>	<b>None. 3/6/08</b>	<b>NA</b>
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<b>Multiple trees have been cleared between sta. #15-18. 3/6/08</b>	<b>When work is completed, restore the area as indicated in the D&amp;M plan. 3/6/08</b>	<b>NA</b>
<b>Dewatering</b>	<b>No dewatering activities were observed during this week's inspection. 3/6/08</b>	<b>Continue to appropriately contain and/or filter discharge water. 3/6/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Spill cleanup materials/kits should be brought from site to site with equipment. 3/6/08</b>	<b>Ensure that spill kits are present with each vehicle during active construction. 3/6/08</b>	<b>NA</b>
<b>Additional Observations</b>	<b>Steel plates were being proactively cleaned prior to being loaded onto a truck for transport, in order to reduce sediment tracking. 3/6/08</b>	<b>Continue to proactively reduce the potential for sediment tracking and minimize impacts. 3/6/08</b>	<b>Efforts were being made to reduce sediment tracking on demobilized materials.</b>

**Next likely scheduled inspection:** Thursday, March 13, 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

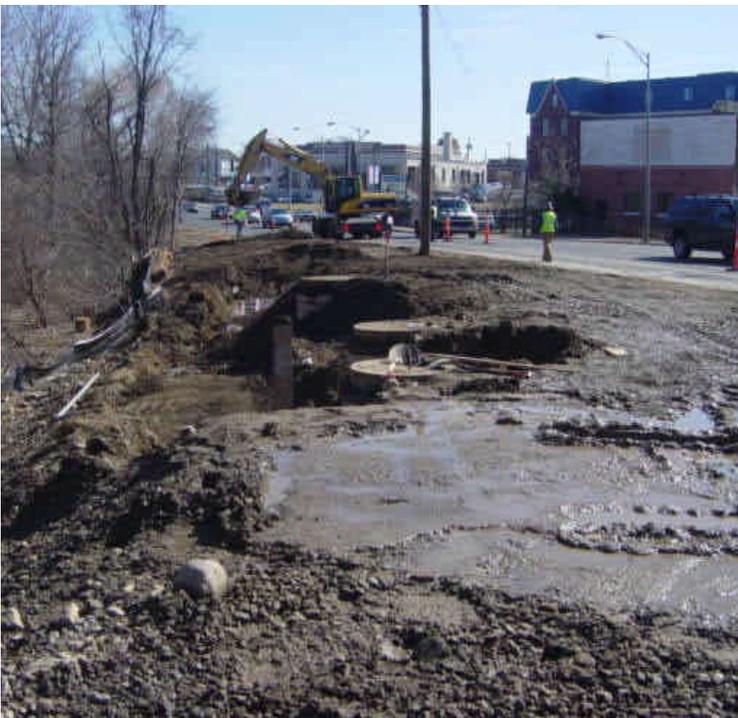
**Reviewer:** Diana Walden, BSC Group



**Crushed stone remains over portions of the exposed soil near sta. #6-8. A stone check dam is also in place and continues to function.**



**Work is nearing completion between sta. #15-18. The area has been backfilled and crews were loading trench-boxes and steel plates onto a truck for removal. A minor amount of sediment has accumulated along the curb line.**



**Vault tie-in work is nearing completion at sta. #15. The area was very muddy at the time of the inspection. Once backfilled, the exposed soil will need to be temporarily stabilized.**



**Trenching continues near sta. #25. A temporary gate has been set-up to access the CL&P yard. A minor amount of sediment was being tracked near this entrance from the adjacent landscaped island.**