

**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 3 Underground Line**

**Date:** February 21, 2008

**Inspector:** Gregory Sommer

**Location:** East Devon Substation to the Housatonic River Crossing

**Rain Event:** 0.60” of precipitation was reported since the previous inspection, 0.20” was recorded on 2/17 and 0.40” was recorded on 2/18. (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>Stone construction entrance remains in place near #1051 and #1080 but crews are no longer accessing this section of ROW. 2/21/08</p> <p>A crushed-stone berm for controlling sedimentation remains near the entrance to the Shelland Street lay-down yard. The large pothole/depression noted in the roadway had been temporarily filled/ repaired with cold-mix. Stone was swept up and replaced in the driveway. Minor sediment tracking was noted. 2/21/08</p>	<p>Continue to monitor ROW. Responsibility should be coordinated with overhead contractors. 2/21/08</p> <p>Continue to monitor area and sweep roadway as necessary. Refresh the stone in the entrance pad as needed. 2/21/08</p>	<p>Not Applicable (NA)</p> <p>The pothole was temporarily repaired and stone was replaced in the driveway.</p>
<b>Vault Openings and Trench Construction</b>	<p>Portions of Naugatuck Avenue were closed due to trenching activities at stations #1037-1039. 2/21/08</p>	<p>None. 2/21/08</p>	<p>NA</p>
<b>Erosion and Sediment Controls</b>	<p>Filter fabric or filter socks remain in most catch basins that are down-gradient of/adjacent to remaining areas of</p>	<p>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from</p>	<p>Needs regular attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Milford lay-down yard</b></p>	<p><b>exposed soil. 2/21/08</b></p> <p><b>When crews cleaned out the debris at the catch basin near sta #1034, the silt sak was also removed. Active work was still occurring upgradient. 2/21/08</b></p>	<p><b>entering basin. 2/21/08</b></p> <p><b>Controls need to be replaced in this catch basin due to active work upgradient. 2/21/08</b></p>	<p><b>Needs attention</b></p>
	<p><b>Saw cutting slurry has the potential to enter catch basins. 2/21/08</b></p>	<p><b>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 2/21/08</b></p>	<p><b>Needs regular attention.</b></p>
	<p><b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 2/21/08</b></p>	<p><b>Prevent dust migration by implementing dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. 2/21/08</b></p>	<p><b>NA</b></p>
	<p><b>The soil on the slope near sta #1049 (vault #3) which had been exposed (noted 7/5/07) remains temporarily stabilized with hard-pack and barrier controls (since 7/25/07). 2/21/08</b></p>	<p><b>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 2/21/08</b></p>	<p><b>NA</b></p>
	<p><b>A paved berm remains at the top of the slope near sta. #1080 to proactively divert stormwater to a catch basin (noted 7/19/07). 2/21/08</b></p>	<p><b>Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 2/21/08</b></p>	<p><b>The slope needs final restoration. (Contractors will be working on a future plan)</b></p>
	<p><b>Stone berm and silt fence remain near the entrance to the yard. The area is partially vegetated and stable. A small section of silt fence is sagging but continues to function. Some sections of silt fence along the south side of the yard are also sagging 10/25/07-2/21/08</b></p>	<p><b>Monitor the effectiveness of existing controls. Remove accumulated sediment from the berm as necessary. Repair sagging sections of silt fence. 10/25/07-2/21/08</b></p>	<p><b>Needs attention when feasible.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Inland Wetland and Watercourse encroachment and mitigation</b>	<b>Inland Wetland resource areas are located near sta. #1012 to 1021, # 1051, and #1053. 2/21/08</b>	<b>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 2/21/08</b>	NA
<b>Staging, Storage, and Parking Areas</b>	<b>A contractor lay-down yard is located in Milford off of Shelland St. Stone is in place throughout the yard to reduce mud and subsequent tracking. However with the increased activity, the yard is muddy and some minor sediment tracking was noted. 2/21/08</b>	<b>See Access Road and Spills and Material Storage sections for more details. Contain material within established storage area and limits of the yard. 2/21/08</b>	<b>Needs regular attention.</b>
<b>Soils</b>	<b>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 2/21/08</b>	<b>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 2/21/08</b>	NA
<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 2/21/08</b>	<b>None. 2/21/08</b>	NA
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p><b>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 2/21/08</b></p> <p><b>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 2/21/08</b></p> <p><b>Some vegetation cover is in place over the exposed soils located outside of the Milford lay-down yard. The stone berm remains in place. 2/21/08</b></p>	<p><b>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 2/21/08</b></p> <p><b>Coordinate final restoration plans with the landowner. 2/21/08</b></p> <p><b>Continue to monitor until exposed soils are permanently stabilized. 2/21/08</b></p>	<p>NA at this time</p> <p><b>Final restoration needed.</b></p> <p><b>Continue to monitor.</b></p>
<b>Dewatering</b>	<b>At the time of the inspection, the trench near</b>	<b>None. If dewatering needs to occur, ensure that it is</b>	<b>Dewatering was being handled appropriately</b>

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	<p>sta #1038 was being dewatered. The water was being appropriately filtered and then discharged to the sanitary sewer. The accidental mix of concrete slurry and groundwater flowing to the plugged catch basin at sta #1034 was noted last week. The catch basin had been cleaned. 2/21/08</p>	<p>contained appropriately and filtered as per the D&amp;M plan. 2/21/08</p>	<p>this week.</p>
<p><b>Blasting</b></p>	<p>No blasting has been proposed. 2/21/08</p>	<p>None 2/21/08</p>	<p>NA</p>
<p><b>Spills and Material Storage</b></p>	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 2/21/08</p> <p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. (noted since 4/25/07) 2/21/08</p>	<p>Continue to bring spill kits to active work sites. 2/21/08</p> <p>Contractors stated the materials will be removed when the area is restored. 2/21/08</p>	<p>NA</p> <p>Needs attention when the yard is restored.</p>
<p><b>Additional Observations</b></p>	<p>Horizontal directional drilling crew has been working in the area near #1015 to #1020 (vault #1) at the approach to the Housatonic River. Conduit was staged along the crushed stone used to backfill the Segment 3 trench, leading to the formation of ruts. 2/21/08</p> <p>The minor sediment accumulation remains along the shoulder of Caswell Street. (This tracking was determined not to be associated with this portion of the project). 12/31-2/21/08</p>	<p>Monitor area. See the waterway and railroad crossings underground report. Coordinate with HDD contractor over restoration responsibilities of this area when activities cease. 2/21/08</p> <p>Sediment appears to be related to the M/N overhead work. Responsibility for maintaining catch basin controls will need to be shifted to overhead crews. 11/15/07-2/21/08</p>	<p>NA at this time.</p> <p>Non-jurisdictional to this D&amp;M plan. See the 2B report.</p>

**Next likely scheduled  
inspection:**

**Wednesday, February 27, 2008**

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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



**Trenching and backfilling activities continue along Naugatuck Ave near sta. #1037 to 1038.**



**Groundwater that was accidentally mixed with concrete slurry was discharged to the catch basin near sta. #1034 last week. Debris was removed from the catch basin and the silt sack was no longer in place. Controls need to be replaced due to active work upgradient.**



**Construction entrance at the Shelland Street lay-down yard continues to function. A large pothole/ depression near the entrance has been temporary filled/repared with cold-mix. The crushed stone that had accumulated along the shoulder of the road and in the depression in front of the driveway has been removed and was used to refresh the stone entrance.**