

**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:** May 1, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 1.89" of precipitation was reported since the previous inspection, with 1.62" recorded on 4/28 (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>A crushed-stone berm controlling sedimentation remains near the entrance to the Shelland Street lay-down yard. An increased amount of sediment has accumulated behind the berm. 5/1/08</b>	<b>Continue to monitor area and sweep roadway as necessary. Remove accumulated sediment from behind the stone berm or ensure the yard remains contained. 5/1/08</b>	<b>Needs proactive attention when feasible but no immediate issues.</b>
<b>Vault Openings and Trench Construction</b>	<b>Portions of Naugatuck Avenue were closed due to trenching and backfilling activities at sta. #1031. 5/1/08</b>	<b>None. 5/1/08</b>	<b>Not applicable (NA)</b>
	<b>Area near sta. #1015-1020 has been backfilled, however the conduits had been inadvertently crossed and need to be partially excavated and corrected. 5/1/08</b>	<b>None. See erosion control section. 5/1/08</b>	<b>NA</b>
<b>Erosion and Sediment Controls</b>	<b>Filter fabric or filter socks remain in catch basins that are down-gradient of/adjacent to remaining areas of exposed soil. 5/1/08</b>	<b>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 5/1/08</b>	<b>Needs regular attention.</b>
	<b>Saw cutting slurry has the potential to enter catch</b>	<b>Continue to prevent slurry from entering catch</b>	<b>Needs regular attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Milford lay-down yard</b></p>	<p><b>basins. 5/1/08</b></p>	<p><b>basins and sensitive areas, by quickly attending to it as it is generated. 5/1/08</b></p>	
	<p><b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Minor dust migration issues were observed near sta. #1015-1020. 4/10-5/1/08</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. 5/1/08</b></p>	<p><b>Surface watering may be needed at sta #1015-1020.</b></p>
	<p><b>Hay bales remain along the edge of the work zone near sta. #1015-1020 to protect the adjacent resource area. A small channel has formed in one area and it remains lined with crushed stone. 5/1/08</b></p>	<p><b>Continue to monitor the area and refresh/ adjust erosion controls as necessary. Determine if the new stone solution will be effective for controlling run-off 5/1/08</b></p>	<p><b>NA at this time – Continue to monitor</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). 5/1/08</b></p>	<p><b>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 5/1/08</b></p>	<p><b>The slope needs final restoration. (Contractors will be working on a future plan)</b></p>
	<p><b>Hay bales remain in place along the bank of the Housatonic River and run-off was noted pooling against them. 5/1/08</b></p>	<p><b>Continue to monitor the area. Work to establish original cover (pavement or vegetation) on exposed surfaces. 5/1/08</b></p>	<p><b>NA at this time- Continue to monitor</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). 5/1/08</b></p>	<p><b>Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 5/1/08</b></p>	<p><b>Continue to monitor.</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.</b></p>	<p><b>Monitor the effectiveness of existing controls. Repair sagging sections of silt fence. 5/1/08</b></p>	<p><b>NA</b></p>	

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	<p>Some sections of silt fence along the south side of the yard are also sagging 3/20-5/1/08</p> <p>A stone construction entrance is in place at the entrance to the Shelland Street yard. 5/1/08</p>	<p>Continue to monitor for tracking. 5/1/08</p>	<p>NA</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>Inland Wetland resource areas are located near sta. #1012 to 1021, #1051, and #1053. 5/1/08</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 5/1/08</p>	<p>NA</p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p>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. 5/1/08</p> <p>A sizable amount of stockpiled material has overtopped the concrete storage bins and spilled onto the adjacent silt fence. Contractor plans to remove the material prior to final restoration. 3/6-5/1/08</p>	<p>See Erosion Control and Spills and Material Storage sections for more details. 5/1/08</p> <p>Contain material within established storage area and limits of the yard. Consider removing the gravel material that has been pushed beyond the limits of the yard now, rather than during final restoration. 3/6-5/1/08</p>	<p>NA</p> <p>Needs evaluation</p>
<p><b>Soils</b></p>	<p>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 5/1/08</p>	<p>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 5/1/08</p>	<p>NA</p>
<p><b>State species of concern, threatened and endangered species.</b></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><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 5/1/08</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 5/1/08</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 5/1/08</p> <p>Some vegetative cover is in place over the exposed soils located outside of the Milford lay-down yard. The stone berm remains in place. 5/1/08</p>	<p>Coordinate final restoration plans with the landowner. 5/1/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 5/1/08</p>	<p>Final restoration needed.</p> <p>Continue to monitor.</p>
Dewatering	<p>An extensive dewatering system remains near sta #1015-1020. Several frac tanks are on site, as a large volume of water had been anticipated and corrective work needs to occur. 5/1/08</p> <p>Electricians were dewatering at vault #2. The water was being discharged into an adjacent trenched area to avoid discharging sediment into the storm drain system. 5/1/08</p>	<p>None. If dewatering needs to occur, ensure that it is contained appropriately and filtered as per the D&amp;M plan. 5/1/08</p> <p>None. If dewatering needs to occur, ensure that it is contained appropriately and filtered as per the D&amp;M plan. 5/1/08</p>	<p>NA</p> <p>Crews were taking measures to avoid sedimentation.</p>
Blasting	No blasting has been proposed. 5/1/08	None 5/1/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 5/1/08</p> <p>Stockpiled materials are overtopping the established storage bins, beyond the perimeter controls of the yard. (noted since 4/25/07) The amount of material has increased, (since 3/6/08), but the yard is expected to be closed within the next few months. 5/1/08</p>	<p>Continue to bring spill kits to active work sites. 5/1/08</p> <p>Previously, contractors stated the materials will be removed when the area is restored. However, due to the increase in amount of material, consider removing the material beyond the yard limits sooner rather than waiting until yard restoration. 3/6-5/1/08</p>	<p>NA</p> <p>Needs evaluation prior to restoration of the yard.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Additional Observations</b>	<b>The majority of the area near sta. #999 was paved. However; A small area has not been paved and processed material remains on the surface. 5/1/08</b>	<b>Confirm whether the small area is to remain unpaved or what the final surface treatment will be. 5/1/08</b>	<b>Needs evaluation when feasible.</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



**HDD work has been tied-in to the vault near sta. #1015. The area has been backfilled with crushed stone in preparation for paving but during tie-in work, the conduit sections were crossed and need to be partially excavated and corrected. The dewatering system remains on site. Haybales continue to control run-off.**



**A stone berm remains near the entrance to the Shelland Street yard. A fair amount of sediment has accumulated behind the berm but it continues to appropriately filter stormwater runoff.**