

**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:** April 17, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.32” of precipitation was reported since the previous inspection with 0.26” recorded on 4/12 (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. A minor amount of sediment has accumulated behind the berm. 4/17/08</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. 4/17/08</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. #1031-1032 &amp; #1042-1044. 4/17/08</b>	<b>None. 4/17/08</b>	<b>Not Applicable (NA)</b>
	<b>Backfilling and hand hole installation work was ongoing near sta. #1015-1020. 4/17/08</b>	<b>None. 4/17/08</b>	<b>NA</b>
	<b>On the west side of the Housatonic River the drill pit near sta. #999 has been paved. 4/17/08</b>	<b>None. 4/17/08</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. 4/17/08</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. 4/17/08</b>	<b>Needs regular attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Saw cutting slurry has the potential to enter catch basins. 4/17/08</p> <p>The area near sta #999 has been recently paved. A minor amount of remnant sediment and debris remain at the previous staging area. 4/17/08</p> <p>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. 4/10-4/17/08</p> <p>The haybales along the edge of the work zone near sta. #1015-1020 are beginning to deteriorate but continue to retain a minor amount of slurry material. A small channel has also formed in one area and debris was noted. A resource area is located along this section. 4/17/08</p> <p>Hay bales remain in place along the bank of the Housatonic River. The deteriorated haybales have been replaced and reset. 4/17/08</p> <p>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). 4/17/08</p>	<p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 4/17/08</p> <p>Sweep area to remove accumulated debris and sediment. 4/17/08</p> <p>Prevent dust migration by implementing dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. 4/17/08</p> <p>Continue to monitor the area and refresh/ adjust the erosion controls here. Remove debris from this area as soon as feasible to avoid unnecessary impacts to the resource area. 4/17/08</p> <p>Continue to monitor the area. Maintain the controls as necessary. Work to establish original cover (pavement or vegetation) on exposed surfaces. 4/17/08</p> <p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 4/17/08</p>	<p>Needs regular attention.</p> <p>Needs attention.</p> <p>Surface watering may be needed at sta #1015-1020.</p> <p>Needs attention.</p> <p>Deteriorated hay bales have been replaced and reset.</p> <p>The slope needs final restoration. (Contractors will be working on a future plan)</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Milford lay-down yard</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). 4/17/08</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 3/20-4/17/08</b></p> <p><b>A stone construction entrance is in place at the entrance to the Shelland Street yard. 4/17/08</b></p>	<p><b>Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 4/17/08</b></p> <p><b>Monitor the effectiveness of existing controls. Remove accumulated sediment from the berm as necessary. Repair sagging sections of silt fence. 10/25/07-4/17/08</b></p> <p><b>Continue to monitor for Tracking. 4/17/08</b></p>	<p><b>Continue to monitor.</b></p> <p><b>Continue to monitor</b></p> <p><b>NA at this time</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Inland Wetland resource areas are located near sta. #1012 to 1021, #1051, and #1053. 4/17/08</b></p>	<p><b>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 4/17/08</b></p>	<p><b>NA</b></p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p><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. 4/17/08</b></p> <p><b>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 during final restoration. 3/6-4/17/08</b></p>	<p><b>See Erosion Control and Spills and Material Storage sections for more details. 4/17/08</b></p> <p><b>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. 3/6-4/17/08</b></p>	<p><b>NA</b></p> <p><b>Needs evaluation</b></p>
<p><b>Soils</b></p>	<p><b>During active work, soils are exposed as part of the excavation for trench, vault,</b></p>	<p><b>Soils appear to have been handled appropriately. Ensure any material</b></p>	<p><b>NA</b></p>

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	and utility work. 4/17/08	stockpiles are contained. 4/17/08	
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 4/17/08	None. 4/17/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 4/17/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 4/17/08</p> <p>Some vegetation cover is in place over the exposed soils located outside of the Milford lay-down yard. The stone berm remains in place. 4/17/08</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 4/17/08</p> <p>Coordinate final restoration plans with the landowner. 4/10/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 4/17/08</p>	<p>NA at this time</p> <p>Final restoration needed.</p> <p>Continue to monitor.</p>
Dewatering	An extensive dewatering system remains near sta #1015-1020. Several frac tanks are on site, as a large volume of groundwater was anticipated during this work 4/17/08	None. If dewatering needs to occur, ensure that it is contained appropriately and filtered as per the D&M plan. 4/17/08	NA
Blasting	No blasting has been proposed. 4/17/08	None 4/17/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 4/17/08</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), but</p>	<p>Continue to bring spill kits to active work sites. 4/17/08</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</p>	<p>NA</p> <p>Needs evaluation prior to restoration of the yard.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>the yard is expected to be closed within the next few months. 4/17/08</b></p> <p><b>Another designated concrete washout area was observed near sta. #1018. It appears to provide adequate containment but is located in the vicinity of a resource area. 4/17/08</b></p>	<p><b>limits sooner rather than waiting until yard restoration. 3/6-4/17/08</b></p> <p><b>Continue to properly contain concrete washout areas. Properly remove and dispose of the washout material and restore the area as soon as feasible. Be vigilant about capacity and controls here due to the resource. 4/17/08</b></p>	<p><b>Needs careful monitoring and evaluation.</b></p>
<p><b>Additional Observations</b></p>	<p><b>None. 4/17/08</b></p>	<p><b>None. 4/17/08</b></p>	<p><b>NA</b></p>

**Next likely scheduled inspection:** Thursday April 24, 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



**Trenching continues along Naugatuck Avenue near sta. #1042-1044.**



**Backfilling was underway near sta. #1031-1032.**



**Tie-ins between the HDD work the vault near sta. #1015 are complete and the area has been partially backfilled. Handholes were being set at the time of the inspection.**



**A designated concrete washout area remains in place near sta. #1018. Watch available capacity and controls here and remove material when feasible.**



**Debris material has been placed near the drainage swale along the south side of the staging area. The haybales are deteriorating and a resource area is adjacent. This area should be cleaned up as soon as feasible and controls should be evaluated.**



**Deteriorated haybales along the bank of the Housatonic River have been replaced and reset.**



**Stockpiled material has overtopped the established storage bins at the Shelland Street yard, but material remains at the perimeter controls.**



**Staging area on the west side of the Housatonic River near sta. #999 has been paved. A minor amount of remnant sediment remains on the surface.**