

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: June 20, 2008

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 1.97" of precipitation was reported since the previous inspection, with the largest events of 0.72" and 0.67" recorded on 6/16 and 6/18 respectively (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A crushed-stone berm controlling sedimentation remains near the entrance to the Shelland Street lay-down yard. 6/20/08	Continue to monitor area and sweep roadway as necessary. See erosion control section 6/20/08	Not applicable (NA)
Vault Openings and Trench Construction	Milling operations were ongoing along Shelland St. and Caswell St. Portions of Naugatuck Ave. have also been milled. 6/20/08	None. 6/20/08	NA
	Excavation continues near sta. #1020 to connect/tie-in with the HDD work. 6/20/08	None. 6/20/08	NA
Erosion and Sediment Controls	Filter fabric or filter socks remain in catch basins that are down-gradient of/adjacent to remaining areas of exposed soil. 6/20/08	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 6/20/08	Needs regular attention.
	Saw cutting slurry has the potential to enter catch basins. 6/20/08	Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 6/20/08	Needs regular attention.
	Any exposed soils have	Prevent dust migration by	Needs regular

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<p>Milford lay-down yard</p>	<p>potential for airborne dust migration. Contractors are aware of the potential. The minor issues noted last week were not observed this week. 6/20/08</p>	<p>implementing dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. Water down the soils if needed. 6/20/08</p>	<p>attention.</p>
	<p>Hay bales remain along the edge of the work zone near sta. #1015-1020 to protect the adjacent resource area. A small channel had formed in one area and remains lined with crushed stone. 6/20/08</p>	<p>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. 6/20/08</p>	<p>NA at this time- Continue to monitor</p>
	<p>Hay bales have been removed from along the bank of the Housatonic River near sta. #1015. Excavation work is complete and the area is stable. The surface is waiting to be paved. 6/6-6/20/08</p>	<p>Continue to monitor the area for run-off and erosion until work is complete and the area has been permanently stabilized. Install new controls if conditions change. 6/6-6/20/08</p>	<p>Continue to monitor.</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 (since 7/25/07). 6/20/08</p>	<p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 6/20/08</p>	<p>The slope needs final restoration. (Contractors will be working on a future plan)</p>
	<p>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). 6/20/08</p>	<p>Continue to monitor to ensure diverted storm-water does not affect neighboring properties. See vegetative clearing section for more details. 6/20/08</p>	<p>Continue to monitor.</p>
	<p>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. 6/20/08</p>	<p>Monitor the effectiveness of existing controls. Repair sagging sections of silt fence. 6/20/08</p>	<p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>A stone construction pad is in place at the entrance to the Shelland Street yard. 6/20/08</p> <p>Frac tank washout water has been emptied in a pit excavated at the Shelland Street yard near the storage bins, in an effort to bind the material prior to disposal. A soil berm was used to contain the material, but a breach occurred and some of the water spilled over the surface of the yard. (since 6/6) The stone check dam near the entrance to the yard effectively contained the material and some of the material has been removed from the stone berm. The washout material has also been removed. 6/20/08</p>	<p>None. 6/20/08</p> <p>Remove remaining accumulated material from behind the stone berm. Adjust controls as necessary.</p> <p>For future washouts, remain aware of any capacity issues, especially due to the location of the pit at the perimeter of the yard. 6/20/08</p>	<p>NA</p> <p>Some of the accumulated material has been removed from the stone berm. Needs additional attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Inland Wetland resource areas are located near sta. #1012 to 1021, #1051, and #1053. 6/20/08</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 6/20/08</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</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. 6/20/08</p> <p>A sizable amount of stockpiled material has overtopped the concrete storage bins and spilled onto the adjacent silt fence. Contractor has stated they plan to remove the material prior to final restoration (since 3/6). Material has been removed from behind one of the bins, but remains in other areas.</p>	<p>See Erosion Control and Spills and Material Storage sections for more details. 6/20/08</p> <p>Contain material within established storage area and limits of the yard. Consider removing the remainder of the material that has been pushed beyond the limits of the yard now, rather than during final restoration. 3/6-6/20/08</p>	<p>NA</p> <p>Needs additional attention.</p>

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	<p>5/8-6/20/08</p> <p>Frac tank washout water had been temporarily contained at the Shelland Street yard in a soil berm pit near the storage bins to allow the material to bind with the soil. This has since been disposed of. 6/20/08</p>	<p>Contain any future frac tank washout material within excavated area. Remain aware of capacity issues, especially since the pit is near the perimeter of the yard. See Erosion and Sediment Control section for more details. 6/20/08</p>	<p>Washout and soil was removed from the yard.</p>
<p>Soils</p>	<p>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 6/20/08</p>	<p>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 6/20/08</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area. 6/20/08</p>	<p>None. 6/20/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>The sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. Adjacent areas remain backfilled with processed material. 6/20/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 6/20/08</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. 6/20/08</p>	<p>Continue to monitor and permanently stabilize the area when feasible. Work out an appropriate restoration plan. See erosion control section for more details. 6/20/08</p> <p>Coordinate final restoration/planting plans with the landowner as stated last year. 6/20/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 6/20/08</p>	<p>NA at this time</p> <p>Area is stable but final restoration plan is still needed.</p> <p>Continue to monitor.</p>
<p>Dewatering</p>	<p>Dewatering was ongoing near sta. #1020. Several of the frac tanks have been removed from the area and were cleaned and emptied at the Shelland Street Yard. 6/20/08</p>	<p>None. Continue to ensure dewatering discharge is contained appropriately and filtered as per the D&M plan. 6/20/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting has been proposed. 6/20/08	None 6/20/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 6/20/08</p> <p>A hydraulic jacking hammer was observed without secondary containment near sta. #1020. In general, equipment containing hydraulic fluid has the potential to leak and impact adjacent areas. 6/20/08</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). Material has been removed from behind one of the bins, but remains in other areas. 5/8-6/20/08</p>	<p>Continue to bring spill kits to active work sites. 6/20/08</p> <p>When equipment containing hydraulic fluid needs to be temporarily stored on site, provide secondary containment, proactively. 5/22-6/20/08</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. 3/6-6/20/08</p>	<p>NA</p> <p>Needs proactive attention.</p> <p>Needs additional attention.</p>
Additional Observations	Concrete curbing was being restored near sta #1095. 6/20/08	None. 6/20/08	NA

Next likely scheduled inspection:

Friday June 27, 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 near sta. #1020 to tie-in to the adjacent HDD work.



Formwork has been constructed near sta. #1095 in preparation to restore concrete curb.



Some of the accumulated material has been removed from the stone barrier near the entrance to the Shelland Street yard.