

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 27, 2008

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 0.50” of precipitation was reported since the previous inspection, with the largest event of 0.42” recorded on 6/20 (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. 6/27/08	Continue to monitor area and sweep roadway as necessary. 6/27/08	Not applicable (NA)
	Loose stone and gravel was observed along areas of Caswell St. as a result of milling activities. 6/27/08	Sweep the material from the roadway at the end of each work day. 6/27/08	Needs regular attention.
Vault Openings and Trench Construction	Portions of Shelland St., Caswell St., and Naugatuck Ave have been milled in preparation for paving. 6/27/08	None. 6/27/08	NA
	Excavation continues near sta. #1020 to connect/tie-in with the HDD work. No work was ongoing at the time of the inspection. 6/27/08	None. 6/27/08	NA
	Tie-in with the HDD work was complete near sta #1030. The area was backfilled and partially paved. Crews were re-grading some area to ensure proper drainage. 6/27/08	None. See erosion control section. 6/27/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and Sediment Controls</p>	<p>Filter fabric or filter socks remain in most catch basins that are down-gradient of/adjacent to remaining areas of exposed soil. The catch basin near sta #1030 was immediately adjacent to exposed soil work and did not appear to be protected. 6/27/08</p>	<p>Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 6/27/08</p>	<p>Needs regular attention – esp. near sta #1030.</p>
	<p>Saw cutting slurry has the potential to enter catch basins. 6/27/08</p>	<p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 6/27/08</p>	<p>Needs regular attention.</p>
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 6/27/08</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. Water down the soils if needed. 6/27/08</p>	<p>Needs regular 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. 6/27/08</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. 6/27/08</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. 6/6/08-6/27/08</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. 6/6/08-6/27/08</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</p>	<p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 6/27/08</p>	<p>The slope needs final restoration. (Contractors will be working on a future plan)</p>	

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<p>Milford lay-down yard</p>	<p>with hard-pack (since 7/25/07). 6/27/08</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). 6/27/08</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. 6/27/08</p> <p>A stone construction pad is in place at the entrance to the Shelland Street yard. 6/27/08</p> <p>Frac tank washout water had previously been emptied in a pit excavated at the Shelland Street yard near the storage bins. 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. 6/27/08</p>	<p>Continue to monitor to ensure diverted storm-water does not affect neighboring properties. See vegetative clearing section for more details. 6/27/08</p> <p>Monitor the effectiveness of existing controls. Repair sagging sections of silt fence. 6/27/08</p> <p>None. 6/27/08</p> <p>Remove remaining accumulated material from behind the stone berm. Adjust controls as necessary. For future washouts, remain aware of any capacity issues, especially due to the location of the pit at the perimeter of the yard. 6/27/08</p>	<p>Continue to monitor.</p> <p>Needs attention when feasible.</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. 6/27/08</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 6/27/08</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</p>	<p>See Erosion Control and Spills and Material Storage sections for more</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>in place throughout the yard to reduce mud and subsequent tracking. 6/27/08</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. 5/8-6/27/08</p>	<p>details. 6/27/08</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. 3/6-6/27/08</p>	<p>Needs additional attention.</p>
<p>Soils</p>	<p>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 6/27/08</p>	<p>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 6/27/08</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. 6/27/08</p>	<p>None. 6/27/08</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. 6/27/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 6/27/08</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. 6/27/08</p>	<p>Continue to monitor and permanently stabilize the area when feasible. See erosion control section for more details. 6/27/08</p> <p>Coordinate final restoration/planting plans with the landowner as stated last year. 6/27/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 6/27/08</p>	<p>NA at this time</p> <p>Area is stable but final restoration plan is still needed.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering was not observed at the time of the inspection. A frac tank remains at sta #1020. 6/27/08	None. Continue to ensure dewatering discharge is contained appropriately and filtered as per the D&M plan. 6/27/08	NA
Blasting	No blasting has been proposed. 6/27/08	None 6/27/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 6/27/08</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. 6/27/08</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. 5/8-6/27/08</p>	<p>Continue to bring spill kits to active work sites. 6/27/08</p> <p>When equipment containing hydraulic fluid needs to be temporarily stored on site, provide secondary containment, proactively. 5/22-6/27/08</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. 3/6-6/27/08</p>	<p>NA</p> <p>Needs proactive attention.</p> <p>Needs additional attention.</p>
Additional Observations	None. 6/27/08	None. 6/27/08	NA

Next likely scheduled inspection:

Wednesday July 2, 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



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



Portions of Caswell St. and Shelland St. have been milled in preparation for paving activities.



HDD tie-in work has been completed near sta. #1030. A small section was being regraded to facilitate drainage. Sediment has accumulated along the edge of the roadway near the catch basin. Controls should have been installed with the adjacent work.



Hydraulic jacking hammer was stored near sta. #1020 without proactive secondary containment.