

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: March 28, 2008

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 0.16” of precipitation was reported since the previous inspection with 0.13” recorded on 3/20 (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. Sediment has accumulated behind the berm. 3/28/08	Continue to monitor area and sweep roadway as necessary. Remove accumulated sediment from behind the stone berm or ensure the yard remains contained. 3/28/08	Needs proactive attention when feasible but no immediate issues.
Vault Openings and Trench Construction	Portions of Naugatuck Avenue were closed due to trenching and backfilling activities at sta. #1039-1042 & #1045+50-1047.	None. 3/28/08	NA
	Trenching has begun to tie-in the HDD work with the existing vault near sta. #1015-1020. 3/28/08	None. See the Dewatering section for more detail on this area. 3/28/08	NA
	The tie-in work near sta. #999 on the west side of the Housatonic River has been completed. Drilling pit was backfilled. 3/28/08	None. 3/28/08	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.	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford lay-down yard	<p>3/28/08</p>	<p>entering basin. 3/28/08</p>	
	<p>Saw cutting slurry has the potential to enter catch basins. 3/28/08</p>	<p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 3/28/08</p>	<p>Needs regular attention.</p>
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 3/28/08</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. 3/28/08</p>	<p>NA</p>
	<p>Haybales have been placed along the edge of the work zone near sta. #1015-1020 to protect the adjacent resource area. 3/28/08</p>	<p>Continue to monitor the area and adjust erosion controls as necessary. 3/28/08</p>	<p>Haybales were installed.</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). 3/28/08</p>	<p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 3/28/08</p>	<p>NA</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). 3/28/08</p>	<p>Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 3/28/08</p>	<p>The slope needs final restoration. (Contractors will be working on a future plan)</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. Some sections of silt fence along the south side of the yard are also sagging 3/28/08</p>	<p>Monitor the effectiveness of existing controls. Remove accumulated sediment from the berm as necessary. Repair sagging sections of silt fence. 10/25/07-3/28/08</p>	<p>Continue to monitor.</p>	
<p>A stone construction pad</p>	<p>Continue to monitor for t</p>	<p>NA at this time</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
	is in place at the entrance to the Shelland Street yard. 3/28/08	tracking. 3/28/08	
Inland Wetland and Watercourse encroachment and mitigation	Inland Wetland resource areas are located near sta. #1012 to 1021, # 1051, and #1053. 3/28/08	Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 3/28/08	NA
Staging, Storage, and Parking Areas	<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. 3/28/08</p> <p>A sizable amount of stockpiled gravel has been plowed beyond the concrete storage bins, likely during snow removal activities. 3/6-3/28/08</p>	<p>See Erosion Control and Spills and Material Storage sections for more details. Contain material within established storage area and limits of the yard.</p> <p>Now that the amount of material beyond the limits of the yard is more significant, consider removing the gravel now rather than during final restoration. 3/6- 3/28/08</p>	<p>NA</p> <p>Needs evaluation</p>
Soils	During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 3/28/08	Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 3/28/08	NA
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area 3/28/08	None. 3/28/08	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. 3/28/08</p> <p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 3/28/08</p> <p>Some vegetation cover is in place over the exposed</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 3/28/08</p> <p>Coordinate final restoration plans with the landowner. 3/28/08</p> <p>Continue to monitor until exposed soils are</p>	<p>NA at this time</p> <p>Final restoration needed.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	soils located outside of the Milford lay-down yard. The stone berm remains in place. 3/28/08	permanently stabilized. 3/28/08	
Dewatering	An extensive dewatering system has been set-up near sta #1015-1020 in preparation for vault tie-in work. Several frac tanks are on site, as a large volume of groundwater is anticipated during the work. 3/28/08	None. If dewatering needs to occur, ensure that it is contained appropriately and filtered as per the D&M plan. 3/28/08	Contractors were appropriately proactive for dewatering needs in this area.
Blasting	No blasting has been proposed. 3/28/08	None 3/28/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 3/28/08</p> <p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. (noted since 4/25/07) However, the amount of material is now much more sizable, likely due to snow plowing 3/6-3/28/08</p> <p>A designated concrete washout area was observed along the shoulder of the roadway near sta #1044 and provides adequate containment. 3/28/08</p>	<p>Continue to bring spill kits to active work sites. 3/28/08</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 pile sooner rather than waiting until yard restoration. 3/6-3/28/08</p> <p>Continue to properly contain concrete washout areas. Properly removed and dispose of the washout material and restore the area when work in the area is complete. 3/28/08</p>	<p>NA</p> <p>Needs evaluation prior to restoration of the yard.</p> <p>Contractors established a designated washout area.</p>
Additional Observations	None. 3/28/08	None. 3/28/08	NA

**Next likely scheduled
inspection:**

Thursday April 3, 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



On the west side of the Housatonic River at sta. #999, the tie-in work has been completed. The drill pit has been backfilled and the area is ready to be paved.



On the east side of the Housatonic River near sta. #1015-1020 vault tie-in work is underway. An extensive dewatering system is in place and several frac tanks have been brought on site to accommodate the large amount of ground water that is anticipated in this area.



A concrete washout area was observed along the shoulder of the roadway near sta. #1044 and provides adequate containment.



Trenching and backfilling activities continue along Naugatuck Ave. near sta. #1045+50-1047. Crews were preparing to pave some areas.