

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 10, 2008

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 0.85" of precipitation was reported since the previous inspection with 0.27" of the total recorded on 4/4 (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. A minor amount of sediment has accumulated behind the berm. 4/10/08	Continue to monitor area and sweep roadway as necessary. Remove accumulated sediment from behind the stone berm or ensure the yard remains contained. 4/10/08	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. #1041-1043. 4/10/08	None. 4/10/08	Not Applicable (NA)
	Backfilling work was ongoing at the vault tie-in near sta. #1015-1020. 4/10/08	None. 4/10/08	NA
	On the west side of the Housatonic River the drill pit near sta. #999 has been backfilled and is ready to be paved (since 3/28). 4/10/08	None. Stabilize within appropriate timelines. 4/10/08	NA at this time
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. 4/10/08	Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 4/10/08	Needs regular attention.

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<p>Milford lay-down yard</p>	<p>Saw cutting slurry has the potential to enter catch basins. 4/10/08</p>	<p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 4/10/08</p>	<p>Needs regular attention.</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. 4/10/08</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. 4/10/08</p>	<p>NA Watering may be needed at sta #1015-1020.</p>
	<p>Hay bales remain along the edge of the work zone near sta. #1015-1020 to protect the adjacent resource area. 4/10/08</p>	<p>Continue to monitor the area and adjust erosion controls as necessary. 4/10/08</p>	<p>NA at this time</p>
	<p>Hay bales remain in place along the bank of the Housatonic River. However, some of the haybales have been moved and are deteriorating. 4/10/08</p>	<p>Continue to monitor the area. Reset and replace deteriorated haybales as necessary. Work to establish original cover (pavement or vegetation) on exposed surfaces. 4/10/08</p>	<p>Needs stabilization and some maintenance.</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). 4/10/08</p>	<p>Continue to monitor the area for run-off and erosion until it is permanently stabilized. 4/10/08</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). 4/10/08</p>	<p>Continue to monitor to ensure diverted stormwater does not affect neighboring properties. See vegetative clearing section for more details. 4/10/08</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</p>	<p>Monitor the effectiveness of existing controls. Remove accumulated sediment from the berm as necessary. Repair</p>	<p>Continue to monitor</p>	

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	<p>silt fence is sagging but continues to function. Some sections of silt fence along the south side of the yard are also sagging 3/20-4/10/08</p> <p>A stone construction pad remains in place at the entrance to the Shelland Street yard. 4/10/08</p>	<p>sagging sections of silt fence. 10/25/07-4/10/08</p> <p>Continue to monitor for tracking. 4/10/08</p>	<p>NA at this time</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. 4/10/08</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur. 4/10/08</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. 4/10/08</p> <p>A sizable amount of stockpiled gravel has been plowed beyond the concrete storage bins, likely during snow removal activities. 3/6-4/10/08</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. 4/10/08</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- 4/10/08</p>	<p>NA</p> <p>Needs evaluation</p>
<p>Soils</p>	<p>During active work, soils are exposed as part of the excavation for trench, vault, and utility work. 4/10/08</p>	<p>Soils appear to have been handled appropriately. Ensure any material stockpiles are contained. 4/10/08</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. 4/10/08</p>	<p>None. 4/10/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Turf grass, hay mulch and the planted sapling remain at sta. #1049 (vault #3) in an effort to restore pre-construction conditions. 4/10/08</p>	<p>Continue to monitor turf grass for viability and permanently stabilize the mulched area. See erosion control section for more details. 4/10/08</p>	<p>NA at this time</p>

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	<p>The exposed soil along the slope near sta. #1080 has naturally vegetated (approximately 90% coverage). 4/10/08</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. 4/10/08</p>	<p>Coordinate final restoration plans with the landowner. 4/10/08</p> <p>Continue to monitor until exposed soils are permanently stabilized. 4/10/08</p>	<p>Final restoration needed.</p> <p>Continue to monitor.</p>
Dewatering	An extensive dewatering system has been set-up near sta. #1015-1020 for the vault tie-in work. Several frac tanks are on site, as a large volume of groundwater was anticipated during this work 4/10/08	None. If dewatering needs to occur, ensure that it is contained appropriately and filtered as per the D&M plan. The area is being backfilled. 4/10/08	Dewatering appears to have been handled appropriately and the work here is almost complete.
Blasting	No blasting has been proposed. 4/10/08	None 4/10/08	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 4/10/08</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 3/6-4/10/08</p> <p>A designated concrete washout area was observed along the shoulder of the roadway near sta. #1044 and provides adequate containment. 4/10/08</p>	<p>Continue to bring spill kits to active work sites. 4/10/08</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. 3/6-4/10/08</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. 4/10/08</p>	<p>NA</p> <p>Needs evaluation prior to restoration of the yard.</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None. 4/10/08	None. 4/10/08	NA

Next likely scheduled inspection: Thursday April 17, 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. #1031-1032. Ledge was encountered in this area.



A designated concrete washout area was observed near sta. #1018. Haybales were also placed along the edge of the work zone to provide additional control/protection. Remove concrete material when feasible.



HDD work has been tied-in to the vault near sta. #1015 and the area has been partially backfilled.



Haybales remain in place along the bank of the Housatonic River. Some of the haybales have been moved and are deteriorating. Work to restore any remaining exposed areas with their original cover (e.g. vegetation or pavement).