

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: July 13, 2007

Inspector: Gregory Sommer

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 0.28” of precipitation was reported since the previous inspection, with 0.14” of the total recorded on both 7/6 and 7/11. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	Exposed soils along the cross-country route for trenching activities between station #1065 to 1073 remain hydro-seeded for temporary stabilization until overhead Segment 2b activities continue in this area. Vegetative cover continues to return in portions of this area. 7/13/07	Contractors should coordinate responsibility of the maintenance of sediment/erosion control during active work in the area. 7/13/07	Not Applicable (NA)
	A stone construction entrance is in place near station #1080. Sediment tracking was not observed as the area was inactive. 7/13/07	Continue to monitor and maintain the access and refresh stone when needed. 7/13/07	NA
	Sediment tracking by trucks transporting materials (likely for the East Devon substation construction) was noted onto the paved portion of Shelland St. Segment 3 activities required minimal vehicle traffic in this area. 6/13-7/13/07	Tracking does not appear to be related to the Segment 3 construction activities. See the East Devon report for more details. 7/13/07	NA (non-jurisdictional to this D&M)
Milford lay-down yard	No issues with tracking	Continue to monitor and	No issues noted but

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	<p>were noted at the yard. 7/5/07</p> <p>A small amount of sediment had previously accumulated near a catch basin at the entrance to the yard. 7/5-7/13/07</p>	<p>maintain as necessary. See erosion and sediment control section. 7/5/07</p> <p>Remove and properly dispose of accumulated sediment to prevent it from migrating further. Sweep by hand if necessary. 7/5-7/13/07</p>	<p>needs regular attention.</p> <p>Needs attention when feasible.</p>
<p>Vault Openings and Trench Construction</p>	<p>Trenching activities were being conducted at station #1048, leading up to vault #3. 7/13/07</p>	<p>Continue to monitor and be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. See erosion control section. 7/5/07</p>	<p>NA</p>
<p>Erosion and Sediment Controls</p>	<p>Filter fabric or filter socks have been placed in catch basins that are down-gradient of/ adjacent to construction activities. 7/13/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 7/13/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week. 7/13/07</p> <p>Soil on the slope near vault #3 remains exposed and not contained during active construction. 7/5-7/13/07</p> <p>Exposed soil along the</p>	<p>Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 7/13/07</p> <p>Prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. If exposed soils are not to be worked within 30 days, they should be stabilized. 7/13/07</p> <p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 7/13/07</p> <p>Install erosion controls to prevent soil migration during storm events. 7/5-7/13/07</p> <p>Continue to monitor the</p>	<p>Catch basins were protected.(Proactively)</p> <p>NA</p> <p>No issues noted but needs regular attention.</p> <p>Needs attention.</p> <p>The area was mulched</p>

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Milford lay-down yard	<p>slope near vault #5 (sta. #1076) has been temporarily stabilized with hay mulch. 7/13/07</p> <p>Several sections of silt fence are in need of repair between sta. #1015-1020. Other contractors (not associated with this project) have been noted using this location as a staging area and may be responsible for some of the disrepair 7/13/07</p> <p>Material (gravel) was overtopping the established storage binds, beyond the perimeter controls of the yard. (noted since 4/25) 7/13/07</p>	<p>slope. Permanently stabilize the slope once an appropriate method is determined. 7/13/07</p> <p>Re-establish erosion controls if the area remains within the M/N project jurisdiction Also, see spills and material storage section. 7/13/07</p> <p>Contain material within established storage area and limits of yard. Contractors stated the materials will be removed when the area is restored. 7/13/07</p>	<p>but needs additional attention for permanent stabilization.</p> <p>Needs evaluation/attention.</p> <p>Contractors stated that the materials will be removed when the yard is restored.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>Inland Wetland resource areas are located near station # 1053, 1051, and from #1012 to 1021. Stations #1117 to 1118 are located in a resource area. 7/13/07</p> <p>Wetland flagging was also noted along the trench work between station #1049-51. Portions of the vegetation in this area have been cleared due to other activity. 7/13/07</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur 7/13/07</p> <p>None at this time. 7/13/07</p>	<p>NA</p> <p>NA</p>
Staging, Storage, and Parking Areas	<p>A contractor lay-down yard is located in Milford off of Shelland St. Jersey barriers are set up as bins to hold fill materials but have overtopped the containment area. Additional stone is in place throughout the yard to reduce mud and subsequent tracking 7/13/07</p>	<p>See erosion control section for more details. Contractors have stated the materials will be removed when the yard is restored. Contain material within established storage area and limits of the yard. 7/13/07</p>	<p>Contractors have stated the materials will be removed when the yard is restored.</p>

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Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 7/13/07	Soils appear to be handled appropriately. 7/13/07	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	None.	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Clearing is complete along the edge of the cross-country ROW from station #1064 to 1073 in order to accommodate the trench work. 7/13/07</p> <p>Turf grass, hay mulch and the planted sapling remain at vault #3 in an effort to restore pre-construction conditions. New trenching has exposed some soil 7/13/07</p> <p>Return of vegetative cover/growth varies through the cross-country portion of the right-of-way off of Naugatuck Ave. In some areas, cover is approximately 75%. 7/13/07</p> <p>The exposed soils located outside of the Milford lay-down yard that were recently seeded and mulched have some new grass growth. 7/13/07</p> <p>The steepest slope near sta. #1080 remains partially exposed, construction activities are complete. (noted 6/6) Some wood chips have</p>	<p>Restore area as required by the D&M Plan when feasible and as work is completed. Contractors understand that wood chips can be spread to a depth of 3" in upland portions of the ROW or to stabilize upland work area as necessary. 7/13/07</p> <p>Continue to monitor turf grass for viability and permanently stabilize mulched area. See erosion control section. 7/13/07</p> <p>Continue to monitor locations where mulch and seed was applied to ensure proper final stabilization. 7/13/07</p> <p>Continue to monitor until exposed soils are permanently stabilized. 7/13/07</p> <p>Implement measures to permanently stabilize the entire area and prevent erosion along the slope. If exposed soils are not to be worked within 30</p>	<p>Continue to monitor.</p> <p>NA at this time</p> <p>Some areas have achieved 75% vegetative cover.</p> <p>Some grass growth was noted</p> <p>Continue to monitor, Mulch was applied, needs additional attention when feasible.</p>

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	been spread to stabilize the soil. (6/29) Hay mulch has also been spread in this area. 7/13/07	days, they should be stabilized. 7/13/07	
Dewatering	Dewatering activities were observed at sta.#1048 in conjunction with the trenching activities. 7/13/07	None. If dewatering needs to occur in the cross-country access, ensure that it is contained appropriately and filtered before released to adjacent areas. 7/13/07	NA
Blasting	No blasting has been proposed. 7/13/07	None 7/13/07	NA
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the storage yard. 7/13/07 Dried concrete washout or slurry was noted in an uncontained location near sta.#1016 (vault #1). Other contractors have been noted using this location as a staging area and may be responsible for the concrete washout. 7/13/07	Continue to bring spill kits to active work sites. 7/13/07 If M/N project jurisdictional, properly dispose of the material and provide containment for future washouts. 7/13/07	NA Needs evaluation.
Additional Observations	None 7/13/07	None 7/13/07	NA

Next likely scheduled inspection:

Thursday July 19, 2007

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



Concrete slurry appears to have been deposited near the backfilled area of vault 1, (potentially by other contractors on a separate project). Concrete washouts should be performed in a contained area. Multiple sections of silt fence are in need of repair between sta. #1015 to #1020.



Trench excavation activities continue at sta. #1048. The exposed soil along the slope on the left side of the photo should be contained/stabilized to prevent erosion.



Vegetation growth varies throughout the cross country portion of the project. Photo shows the area near sta. #1073 which is approximately 75% stabilized, and represents one of the most vegetated areas.



The slope near sta. #1078 has been stabilized with hay mulch.