

**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:** May 31, 2007

**Inspector:** Katie Bednaz

**Location:** East Devon Substation to the Housatonic River Crossing

**Rain Event:** No precipitation was reported since the previous inspection. (Bridgeport, CT NOAA data)

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access Roads and Adjacent Roadways</b>	<b>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. 5/31/07</b>	<b>Contractors should coordinate responsibility of the maintenance of sediment/erosion control during active work in the area. 5/31/07</b>	<b>Not Applicable (NA)</b>
	<b>A stone construction entrance is in place near station #1080. Sediment tracking was not observed. Exposed soil was being watered down to prevent airborne dust at the time of the inspection. 5/31/07</b>	<b>Continue to monitor and maintain the access and refresh stone when needed. 5/31/07</b>	<b>Access way was being watered down to prevent airborne dust. (proactively).</b>
	<b>The film/slurry resulting from flow fill and groundwater interactions at vault #1 (noted 5/22) has been swept from the adjacent pavement. Some dust and a small pile of material remains. 5/31/07</b>	<b>See erosion control section for more details and continue to remove material if feasible. 5/31/07</b>	<b>The majority of the film/slurry was removed from the pavement.</b>
<b>Milford lay-down yard</b>	<b>The stone access stone pad at the entrance of the</b>	<b>Continue to monitor and maintain as necessary.</b>	<b>No issues noted but needs regular</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	yard appears clean. No sediment tracking was noted within the roadway. 5/31/07	Sweep roadway regularly and continue to remove sediment accumulation from the gutter by hand if the sweeper cannot reach it. 5/31/07	attention.
Vault Openings and Trench Construction	<p>Trenching activities continue at stations: #1107 to #1109, #1078 to #1080. 5/31/07</p> <p>Vault #1 activities were largely complete and the excavation was backfilled. The area needs some additional clean-up 5/31/07</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. 5/31/07</p> <p>See erosion control section for more detail. 5/31/07</p>	<p>NA</p> <p>NA</p>
Erosion and Sediment Controls	<p>Filter fabric or filter socks have been placed in catch basins that are down-gradient of/ adjacent to construction activities. 5/31/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/31/07 Exposed soils were being watered down near sta. #1080. 5/31/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week 5/31/07</p> <p>The slopes near sta. #1076 remain loamed, hydroseeded and mulched, and are</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. 5/31/07</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. 5/31/07</p> <p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 5/31/07</p> <p>Continue to monitor the slopes for erosion and establishment of grass cover. 5/31/07</p>	<p>Catch basins were protected.(Proactively)</p> <p>Dust control was noted at sta. #1080 proactively.</p> <p>NA</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford (contractor yard)</p>	<p>currently stable. 5/31/07</p>		
	<p>The steepest slope near sta. #1080 had previously been stabilized with bark mulch but has slumped/washed out in one location due to heavy rains several weeks ago. 5/02-5/31/07</p>	<p>Implement measures to permanently or temporarily stabilize area and prevent the slope from eroding. 5/02-5/31/07</p>	<p>Needs attention.</p>
	<p>Turf grass, hay mulch, and a planting remains over the exposed soils at vault #3. 5/31/07</p>	<p>Continue to monitor turf grass for viability and adequate lawn cover in this area. 5/31/07</p>	<p>NA.</p>
	<p>Erosion controls are in place adjacent to the vault #1 activities. The vault area has been dressed with a hard pack material. 5/31/07</p>	<p>Continue to monitor for stability and final restoration measures. 5/31/07</p>	<p>Hard pack is in place. Needs evaluation.</p>
	<p>The film/slurry resulting from the groundwater and flow fill at vault #1 was largely removed from the adjacent pavement. The adjacent drainage channel was filled with unwashed gravel in an attempt to further filter the slurry. However, this may lead to further potential sediment issues. 5/31/07</p>	<p>The stone placed within swale is unwashed and is small in size. It is unclear whether this was allowable by the D&amp;M plan. To prevent the sediment within the stone or the stone itself from washing into the stream during rain events, the stone should be removed from the swale and placed as a berm on the upgradient/work side of the erosion control barrier. 5/31/07</p>	<p>Attempts were made to filter the slurry by placing stone in the swale. However, this should be removed from the swale and returned to the work side of the erosion control- needs attention.</p>
<p>Airborne dust migration resulting from vehicle traffic was noted within the yard. 5/22 – 5/31/07</p>	<p>Attempt to prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment Control. 5/31/07</p>	<p>Needs regular attention.</p>	
<p>Material (gravel) was overtopping the established storage bins, beyond the perimeter</p>	<p>Contain material within established storage area and limits of yard. Pull the deposited gravel back</p>	<p>Needs attention</p>	

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	controls of the yard. 4/25-5/31/07	into the yard. 4/25-5/31/07	
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. 5/31/07</p> <p>Wetland flagging was also noted along the trench work between station #1049-51. 5/31/07</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur 5/31/07</p> <p>None at this time. 5/31/07</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. Additional stone is in place throughout the yard to reduce mud and subsequent tracking. Jersey barriers are set up as bins to hold fill materials but gravel has overtopped the containment area and are compromising the erosion controls. 5/2-5/31/07</p> <p>The stone that was noted on the wrong side of the perimeter controls near the south side of the Shelland St. contractor yard (3/15) still remains. It appears to be the result of snow plowing over the fence. 3/27-5/17/07</p>	<p>See erosion control section for more details but repairs are needed to ensure sediment and materials are contained to the perimeter of the yard. 5/2-5/31/07</p> <p>Remove the gravel carefully when feasible and restore the area if needed. Contain material within established storage area and limits of yard. 5/31/07</p>	<p>Needs attention</p> <p>Needs attention when feasible.</p>
Soils	Soils are exposed as part of the excavation for trench, vault, and utility work. 5/31/07	Soils appear to be handled appropriately. 5/31/07	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

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p><b>Clearing is complete along the edge of the cross-country ROW from station #1064 to 1073 in order to accommodate the trenchwork. 5/31/07</b></p> <p><b>Turf grass, hay mulch and the sapling remain at vault #3 in an effort to restore pre-construction conditions. 5/31/07</b></p> <p><b>Hydroseed remains within the cross-country portion of the right-of-way off of Shelland St. and along the slopes near sta. #1076. 5/31/07</b></p>	<p><b>Restore area as required by the D&amp;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. 5/31/07</b></p> <p><b>Continue to monitor turf grass for viability. 5/31/07</b></p> <p><b>Continue to monitor locations where mulch and seed were applied to ensure proper final stabilization. 5/31/07</b></p>	<p><b>Needs attention when work is complete.</b></p> <p><b>NA</b></p> <p><b>NA at this time</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering activities were not observed during this week's inspection and were completed near vault #1. 5/31/07</b></p>	<p><b>None. If dewatering needs to occur in the cross-country access, ensure that it is contained appropriately and filtered before released to adjacent areas. 5/31/07</b></p>	<p><b>NA</b></p>
<p><b>Spills and Material Storage</b></p>	<p><b>Reserve spill cleanup materials/kits were observed in the storage yard. 5/31/07</b></p> <p><b>Concrete washouts or material were not observed during this weeks inspection. 5/31/07</b></p> <p><b>The accumulated film/slurry of flowable fill that was noted at vault #1 has largely been removed. Unwashed gravel has been placed within the drainage swale in an effort to filter remaining material but may cause</b></p>	<p><b>Continue to bring spill kits to active work sites. 5/31/07</b></p> <p><b>If there is a continued need for concrete washouts in the yard, a properly constructed containment area is recommended. 5/31/07</b></p> <p><b>Complete the removal of material from the area. See erosion control section for details. 5/31/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Efforts were made but needs additional attention to prevent potential impacts to nearby resource area.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<b>potential future issues. 5/31/07</b>		
<b>Additional Observations</b>	<b>None 5/31/07</b>	<b>None 5/31/07</b>	<b>NA</b>

**Next likely scheduled inspection:**                                      **Wednesday June 6, 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:**                                      Katie Bednaz, BSC Group                  

**Reviewer:**                                              Diana Walden, BSC Group



Construction activities at sta. #1080. The exposed soils were being watered down to prevent airborne dust.



The majority of the accumulated flowable fill slurry has been removed from the asphalt, with some dust and a small pile of material remaining.



Both photos are of the vault #1 location. Left: The vault has been backfilled and top dressed with a hard pack material. Right: Unwashed stone has been placed in the drainage swale that received a film of flowable fill last week in an attempt to filter any migrating sediment. However, during rain events, soil within the unwashed stone has the potential to enter the stream. It is also unclear whether this is allowable through the D&M plan. Stone should be removed to the upgradient/work area side of the erosion control barrier or removed from the site.