

**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 22, 2007

**Inspector:** Katie Bednaz

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

**Rain Event:** A total of 0.24" of precipitation was reported since the previous inspection with all but a trace recorded on 5/18. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A cross-country access road had been used for trenching activities at station #1065 to 1073. A stone entrance pad is in place at station #1053, where the paved way intersects the cross-country route. It appears that Segment 3 activities are complete and the area was hydroseeded for temporary stabilization until overhead Segment 2b activities continue in this area. 5/22/07	Contractors should coordinate responsibility of the maintenance of sediment/erosion control during active work in the area. Exposed areas/disturbed soil have been stabilized with a hydroseed application. See erosion and sediment control section. 5/22/07	Not Applicable (NA)
	A stone construction entrance is in place near station #1080. Sediment tracking was not observed. 5/22/07	Continue to monitor and maintain the access and refresh stone when needed. 5/22/07	No issues noted but needs regular attention.
	A film/slurry resulting from flow fill and groundwater interactions at vault #1 was noted on the adjacent pavement. Most is contained with the erosion controls but some areas need improvements. 5/22/07	Sweep adjacent pavement if feasible to remove the accumulated film/slurry. See erosion control section for more details. 5/22/07	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Milford lay-down yard	The stone access stone pad at the entrance of the yard appears clean. No sediment tracking was noted within the roadway. 5/22/07	Continue to monitor and maintain as necessary. Sweep roadway regularly and continue to remove sediment accumulation from the gutter by hand if the sweeper cannot reach it. 5/22/07	No issues noted but needs regular attention.
Vault Openings and Trench Construction	Trenching activities continue at stations: #1095 to #1097, #1079 to #1081. 5/22/07  Vault #1 activities were largely complete but the area needs some cleanup. 5/22/07	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. 5/22/07  See erosion control and access road sections for more detail. 5/22/07	NA  NA
Erosion and Sediment Controls	Filter fabric or filter socks have been placed in catch basins that are down-gradient of/ adjacent to construction activities. 5/22/07  Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. See Milford lay-down yard section below for more details. 5/22/07  Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week 5/22/07  The slopes near sta #1076 remain loamed, hydroseeded and	Continue place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 5/22/07  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. 5/22/07  Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 5/22/07  Continue to monitor the slopes for erosion and establishment of grass	Catch basins were protected.(Proactively)  NA  NA  NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Milford (contractor yard)</b></p>	<p><b>mulched, and are currently stable. 5/22/07</b></p>	<p><b>cover. 5/22/07</b></p>	
	<p><b>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. 5/02-5/22/07</b></p>	<p><b>Implement measures to permanently or temporarily stabilize area and prevent the slope from eroding. 5/02-5/22/07</b></p>	<p><b>Needs attention.</b></p>
	<p><b>Hydroseed and mulch remains in place along the cross-country portion of the right-of-way off of Shelland St. 5/22/07</b></p>	<p><b>Continue to monitor locations where mulch and seed was applied to ensure adequate final stabilization. 5/22/07</b></p>	<p><b>NA</b></p>
	<p><b>Turf grass has been applied over the majority of the soils exposed as part of vault #3 activities. A tree was also planted here in a good effort to restore the lawn to pre-construction conditions. A portion remains covered with hay mulch. 5/22/07</b></p>	<p><b>Continue to monitor turf grass for viability and adequate lawn cover in this area. 5/22/07</b></p>	<p><b>Turf grass installation and plantings were noted.</b></p>
	<p><b>Erosion controls are in place adjacent to the vault #1 activities. A film/slurry resulting from the groundwater and flow fill was accumulating along the adjacent pavement within the EC barrier. Most was contained but a portion of the slurry breached the controls and followed an adjacent drainage channel for approximately 5 feet. 5/17/07</b></p>	<p><b>Reinforce controls in this section and remove accumulated sediment to the extent feasible. The material had not yet reached a brook located downgradient from the drainage channel. 5/22/07</b></p>	<p><b>Needs immediate attention to prevent potential impacts to nearby resource area. Contractors were aware of the clean-up requirements.</b></p>
<p><b>Airborne dust migration resulting from vehicle traffic was noted within the yard. 5/22/07</b></p>	<p><b>Attempt to prevent dust migration by implementing the dust control specifications within the 2002 CT Guidelines for Soil Erosion and Sediment</b></p>	<p><b>Needs regular attention.</b></p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. 4/25-5/22/07</p>	<p>Control. 5/22/07</p> <p>Contain material within established storage area and limits of yard. Pull the deposited gravel back into the yard. 4/25-5/22/07</p>	<p>Needs attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<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. 5/22/07</p> <p>Wetland flagging was also noted along the trench work between station #1049-51. 5/22/07</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur 5/22/07</p> <p>None at this time. 5/22/07</p>	<p>NA</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. 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. 5/2-5/22/07</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. 3/27-5/22/07</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. 5/2-5/22/07</p> <p>Remove the gravel carefully when feasible and restore the area if needed. Contain material within established storage area and limits of yard. 5/22/07</p>	<p>Needs attention</p> <p>Needs attention when feasible.</p>
<p>Soils</p>	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 5/22/07</p>	<p>Soils appear to be handled appropriately. 5/22/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>State species of concern, threatened and endangered species.</b>	According to the D&M plan, state-listed species are not located in this work area.	None	NA
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p>Clearing is complete along the edge of the cross-country ROW from station #1064 to 1073 in order to accommodate the trenchwork. 5/22/07</p> <p>Turf grass and hay mulch have been applied to the previously exposed soils at vault #3. A sapling was also planted in an effort to restore pre-construction conditions. 5/22/07</p>	<p>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. 5/22/07</p> <p>Continue to monitor turf grass for viability. 5/22/07</p>	<p>Needs attention when work is complete.</p> <p>Good efforts were made to restore the lawn and vegetation at this location.</p>
<b>Dewatering</b>	Dewatering activities continue during this week's inspection at vault #1. Frac tanks remain in place to receive the water. Some sediment accumulation was noted. 5/22/07	Continue to contain dewatering discharge appropriately and filter it before it is released to adjacent areas. See erosion control section for further details. 5/22/07	NA
<b>Spills and Material Storage</b>	<p>Reserve spill cleanup materials/kits were observed in the storage yard. 5/17/07</p> <p>The concrete washout that was observed last week within disposal soil/material being stored within the yard, appears to have been removed. 5/22/07</p> <p>An accumulated film/slurry of flowable fill was noted at vault #1 on a large portion of the adjacent pavement. 5/22/07</p>	<p>Continue to bring spill kits to active work sites. 5/17/07</p> <p>If there is a continued need for concrete washouts in the yard, a properly constructed containment area is recommended. 5/22/07</p> <p>See erosion control section for more details. 5/22/07</p>	<p>NA</p> <p>Needs attention</p> <p>Needs attention.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Additional Observations</b>	<b>None 5/22/07</b>	<b>None 5/22/07</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday May 31, 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



**Both photos are of Milford lay-down yard. Left: The concrete washout material appears to have been removed from the soil disposal pile. Right: Some airborne dust migration resulting from vehicle traffic was noted at the time of inspection. Dust control measures should be implemented.**



**Construction/trenching activities continue at station #1080.**



**Turf has been applied to the majority of exposed soil and a tree was planted at the vault #3 location, in a good effort to restore the pre-construction conditions. Hay mulch remains on the remaining portion.**

**Vault #1 Construction Activities**



**Photo shows an overview of the construction area.**



**A film of flowable fill was observed on the pavement down-gradient of the vault location. This appears to be a result of groundwater interception with the construction activities.**



**Left: The flowable fill film or slurry has accumulated over a large surface area of the adjacent pavement, with the majority contained within the erosion control barriers. Right: A portion of the flowable fill has migrated just beyond the erosion control barrier in one location and was noted for approximately 5-feet along a drainage channel leading to an adjacent brook. No fill has reached the brook at this time. Contractor was aware of the clean-up requirements at the time of the site visit.**

