

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 17, 2007

Inspector: Katie Bednaz

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: A total of 0.69” of precipitation was reported since the previous inspection with 0.53” recorded on 5/16. (Bridgeport, CT NOAA data)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A cross-country access road is being 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, while overhead Segment 2b activities are proposed to continue in this area. 5/17/07	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. 5/17/07	Not Applicable (NA)
	A stone construction entrance is in place near station #1080. Sediment tracking was not observed. 5/17/07	Continue to monitor and maintain the access and refresh stone when needed. 5/17/07	No issues noted but needs regular attention.
Milford contractor yard	The stone access stone pad at the entrance of the yard appears clean. No sediment tracking was noted within the roadway. 5/17/07	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. 5/17/07	No issues noted but needs regular attention.
Vault Openings and	Trenching activities	Continue to monitor and	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Trench Construction	<p>continue at stations: #1096 to #1097, #1079 to #1081. 5/17/07</p> <p>Excavation was underway at Vault #1. 5/17/07</p>	<p>be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 5/17/07</p> <p>See erosion control section. Continue to stabilize exposed soils when feasible. 5/17/07</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. 5/17/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/17/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week 5/17/07</p> <p>The previously exposed hard pack slopes near sta. #1076 have been hydroseeded (and mulch) in an effort to restore to original conditions 5/17/07</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. 5/02-5/17/07</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. 5/17/07</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. 5/17/07</p> <p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 5/17/07</p> <p>Continue to monitor the slopes for erosion and establishment of grass cover. 5/17/07</p> <p>Implement measures to permanently or temporarily stabilize area and prevent the slope from eroding. 5/02-5/17/07</p>	<p>Catch basins were protected.(Proactively)</p> <p>NA</p> <p>NA</p> <p>Hydro-mulch and seed has been applied.</p> <p>Needs attention.</p>

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<p>Milford (contractor yard)</p>	<p>Hydroseed (and mulch) has been applied to the exposed soils within the cross-country portion of the right-of-way off of Shelland St. 5/17/07</p> <p>Soils exposed as part of vault #3 installation activities have been temporarily stabilized with hay mulch. 5/17/07</p> <p>Controls (haybales) were installed adjacent to the vault #1 activities. Some sediment accumulation was noted here near the dewatering tanks. 5/17/07</p> <p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. 4/25-5/17/07</p>	<p>Continue to monitor locations where mulch and seed was applied to ensure adequate final stabilization. 5/17/07</p> <p>Continue to monitor for adequate lawn cover in this area. 5/17/07</p> <p>Continue to ensure that all disturbed soil is held within the erosion controls. 5/17/07</p> <p>Contain material within established storage area and limits of yard. Pull the deposited gravel back into the yard. 4/25-5/17/07</p>	<p>Disturbed areas/ exposed soils were hydroseeded.</p> <p>Soil has been stabilized.</p> <p>Erosion controls were installed.</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. 5/17/07</p> <p>Wetland flagging was also noted along the trench work between station #1049-51. 5/17/07</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur 5/17/07</p> <p>None at this time. 5/17/07</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</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. 5/2-5/17/07</p>	<p>Needs attention</p>

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	<p>overtopped the containment area and are compromising the erosion controls. 5/2-5/17/07</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>Remove the gravel carefully when feasible and restore the area if needed. Contain material within established storage area and limits of yard. 5/17/07</p>	<p>Needs attention when feasible.</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 5/17/07</p>	<p>Soils appear to be handled appropriately. 5/17/07</p>	<p>NA</p>
State species of concern, threatened and endangered species.	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None</p>	<p>NA</p>
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 trenchwork. 5/17/07</p> <p>Vegetation covers approximately 70% of area on the corner of Shelland St. and Caswell St. 5/17/07</p> <p>The disturbed soil at vault #3 has been restored with a thick cover of hay mulch. 5/17/07</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. 5/17/07</p> <p>Continue to monitor for adequate coverage but the area appears to be stable. 5/10/07</p> <p>Continue to monitor for final restoration and the return of adequate lawn cover. 5/17/07</p>	<p>Needs attention when work is complete.</p> <p>Vegetative cover continues to establish.</p> <p>The area has been mulched.</p>
Dewatering	<p>Dewatering activities were observed during this week's inspection at the</p>	<p>Continue to contain dewatering discharge appropriately and filter it</p>	<p>NA</p>

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	excavation for vault #1. Frac tanks were set up to receive the water. 5/17/07	before it is released to adjacent areas. 5/17/07	
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the storage yard. 5/17/07 A concrete washout was noted within disposal soil/material being stored within the Milford lay-down yard. 5/17/07	Continue to bring spill kits to active work sites. 5/17/07 Properly dispose of washout and soil. If there is a continued need for concrete washouts in the yard, a properly constructed containment area is recommended. 5/10-5/17/07	NA Needs attention.
Additional Observations	None 5/17/07	None 5/17/07	NA

Next likely scheduled inspection:

Tuesday May 22, 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 vault #1 excavation activities. Left: View of excavation pit for vault installation, the work area was being dewatered. Right: Erosion controls have been installed adjacent to construction activities. Sediment was noted near the dewatering tanks.



Photo of temporary stabilization measures (mulch) at vault #3. Continue to monitor for adequate lawn restoration.



Hydroseed (and mulch) has been applied to the cross-country portion of the ROW where soils were disturbed as a result of Segment 3 work.



Hydroseed (and mulch) has been applied to the exposed, hard pack slope at sta. #1075 to 1076. Continue to monitor for vegetative cover.



Excavation/trenching activities continue near sta. #1079.



Concrete washout was observed within the soil in the material storage bins. If the need for washing-out concrete within the yard continues, proper containment should be provided. Washout should be properly disposed of. Attention is also needed where materials are overtopping the storage bins here.