

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 2, 2007

Inspector: Katie Bednaz

Location: East Devon Substation to the Housatonic River Crossing

Rain Event: 1.87" precipitation was reported since the previous inspection with 1.77" of the total on recorded on 4/27/07. (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. 5/02/07	Contractors should coordinate responsibility of the maintenance of sediment/erosion control during active work in the area. If there are exposed areas which will not be disturbed/worked further, they should be stabilized. 5/02/07	Not Applicable (NA)
	A stone construction entrance is in place near station #1080-81. Sediment tracking was not observed. 5/02/07	Continue to monitor and maintain the access and refresh stone when needed. 5/02/07	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. 5/02/07	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. 5/02/07	No issues noted but needs regular attention.
Vault Openings and	Trenching activities were	Continue to monitor and	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Trench Construction	<p>being conducted at stations: #1096 to #1097 and at #1080 (for the excavation of vault #5),</p> <p>Stone backfill was being placed in the area of trenching at #1021 to #1017. 5/02/07</p> <p>Minor clearing and excavation activities were observed for vault #3. 5/02/07</p>	<p>be proactive. Continue to mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 5/02/07</p> <p>See erosion control section. 5/02/07</p> <p>Continue to stabilize exposed soils when feasible. Active work was occurring. 5/02/07</p>	<p>Stone was being used to stabilize soils here.</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. 5/02/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/02/07</p> <p>Slurry from saw cutting activities has the potential to enter catch basins. Issues were not observed this week 5/02/07</p> <p>The erosion controls adjacent to sta. #1053 have been removed as work in this area appears complete (noted 4/13). The controls down gradient from here remain in place. The area appears stable as evidence of erosion was not observed even after heavy</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. 5/02/07</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. 5/02/07</p> <p>Continue to prevent slurry from entering catch basins and sensitive areas, by quickly attending to it as it is generated. 5/02/07</p> <p>Protect resource areas until adjacent areas are stabilized either temporarily or permanently, and depending on whether Seg. 2b activities will disturb these areas again. 5/02/07</p>	<p>Catch basins were protected.(Proactively)</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Milford (contractor yard)</p>	<p>rains. 5/02/07</p> <p>Exposed slopes near sta. #1076 should be temporarily or permanently stabilized. 4/13 - 5/02/07</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. 5/02/07</p> <p>Stone was being spread over the exposed soils from trench work from sta. #1021 to #1017 to stabilize area. Piles of stone were placed on or near existing silt fence. 5/02/07</p> <p>Sediment has accumulated against the erosion controls, adjacent to the entrance to the yard. This flows toward the catch basin during rain events. 4/25-5/02/07</p> <p>Material (gravel) was overtopping the established storage bins, beyond the perimeter controls of the yard. 4/25-5/02/07</p>	<p>Spread mulch and/or seed in the area to stabilize the exposed slopes and prevent erosion. 4/13-5/02/07</p> <p>Implement measures to permanently or temporarily stabilize area and prevent the slope from eroding. 5/02/07</p> <p>Continue to stabilize exposed soil. Erosion controls may be removed upon final stabilization but watch material storage too close to the silt fence. 5/02/07</p> <p>Although controls are in place in the catch basin, the accumulated sediment should be removed/stabilized to prevent future issues. Reinforce controls if necessary. 4/25-5/02/07</p> <p>Contain material within established storage area and limits of yard. Pull the deposited gravel back into the yard. 4/25-5/02/07</p>	<p>Needs attention when feasible.</p> <p>Needs attention.</p> <p>Stone was being spread for stabilization.</p> <p>Needs attention.</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. 5/02/07</p> <p>Wetland flagging was also noted along the trench work between station #1049-51. 5/02/07</p>	<p>Monitor resource areas to ensure that non-permitted encroachment or impacts do not occur 5/02/07</p> <p>None at this time. 5/02/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
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. 5/02/07</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. 3/27-5/02/07</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. 5/02/07</p> <p>Remove the gravel carefully by hand when feasible and restore the area if needed. 5/02/07</p>	<p>Needs attention.</p> <p>Needs attention when feasible.</p>
Soils	<p>Soils are exposed as part of the excavation for trench, vault, and utility work. 5/02/07</p>	<p>Soils appear to be handled appropriately. 5/02/07</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. 5/02/07</p> <p>Vegetative cover is stabilizing the area on the corner of Shelland St. and Caswell St. 5/02/07</p> <p>A large tree and shrubs were removed as part of</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. 5/02/07</p> <p>Final stabilization of exposed soils should be performed if necessary. 5/02/07</p> <p>Restore area as required by the D&M Plan when</p>	<p>Needs attention when work is complete.</p> <p>Vegetative cover continues to establish.</p> <p>Needs attention when work is complete.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the vault #3 installation activities as depicted on the D & M Plan. 5/02/07	feasible and as work is completed. 5/02/07	
Dewatering	Dewatering activities were not observed during this week's inspection. 5/02/07	None. If dewatering needs to occur in the cross-country access, ensure that it is contained appropriately and filtered before released to adjacent areas. 5/02/07	NA
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the storage yard. 5/02/07 A concrete truck was observed washing out into disposal soil within the Milford lay-down yard. 5/02/07	Continue to bring spill kits to active work sites. 5/02/07 Properly dispose of washout and soil. If there is a continued need for concrete wash outs in the yard, a properly constructed containment area is recommended. 5/02/07	NA Needs attention.
Additional Observations	None 5/02/07	None 5/02/07	NA

Next likely scheduled inspection:

Thursday May 10, 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



Photograph of trenching location near sta. #1018. Stone is being applied to stabilize exposed soils. Watch placement of stone on/against erosion controls.



Vault #3 installation activities required the removal of a tree and shrubs.



Photo of the slope located adjacent to vault #5. It had previously been stabilized with bark mulch but a portion had slumped and washed out.



Photo of the construction entrance off of Bic Dr near sta #1081. No sediment tracking was observed on the roadway.



Trenching activities and backfilling were observed at sta. #1096-1097.



A concrete truck was washing out in disposal soil in the Milford lay-down yard. If concrete washout is to continue in yard, it should be properly contained in a basin or similar.



Both photos are of the Milford lay-down yard. Left: Materials are spilling beyond the containment area in the yard. The materials do not extend beyond the erosion controls but are currently compromising them. Pull materials back within the yard to alleviate stress on the controls. Right: Sediment has accumulated against the fence and haybale barrier adjacent to the entrance to the yard. Stabilize any exposed soils where feasible, and pull back sediment and reinforce controls as necessary.