

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 4c Underground Line

Date: September 12, 2008

Inspector: Gregory Sommer

Location: Westport Avenue to the Norwalk Substation in the City of Norwalk

Rain Event: 3.43” of precipitation was reported since the previous inspection, with the largest event of 2.90” recorded on 9/6 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	All work is within existing paved roadways and parking lots at this time. Minor sediment/ cold mix accumulation was noted along the roadway at various locations through this segment. 8/1-9/12/08	Sweep roadways on a regular basis. 9/12/08	Needs regular attention
Vault Openings and Trench Construction Norwalk	Some restoration efforts were observed at sta. #0-4 & #14-16 but additional attention is needed. Steel road plates were observed near sta. #33, & #46-48. 9/12/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. See erosion control section. 9/12/08	NA (Not applicable)
Erosion and Sediment Controls	Controls were removed from catch basins on state routes per the request of ConnDOT to improve drainage during winter conditions. Contractor plans to discontinue use of controls for the duration of the project and clean basins as necessary. 9/12/08	Since controls are no longer in place in the catch basins, attend to all sediment at the source and stabilize exposed soils as quickly as possible. Clean catch basins as necessary. Consider installing controls when work is immediately adjacent. 9/12/08	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>The slope at sta. #14-18 has been regraded and topsoil has been spread as part of final restoration. However, topsoil has not been mulched or fully seeded. Silt fence and hay bale barrier remains along the graded slope. 9/12/08</p> <p>The inlet at sta. #9+50 was associated with a pre-construction drainage swale. Trench work has modified the grades in the area (removing the swale). This area has been re-graded to re-establish the swale and topsoil has been spread. However, multiple gullies have since formed as a result of heavy rains and the drainage inlet is full of sediment. 9/12/08</p> <p>The inlet now has haybales surrounding it but obvious amounts of sediment have accumulated here and within the receiving catch basin. 9/12/08</p> <p>Sedimentation into the substation yard has increased following the erosion of the topsoil recently applied over the slope. 9/12/08</p> <p>Trenching is complete between sta. #32-38. The area has been backfilled and temporarily paved. Cold mix/ granular material was observed along the edge of the roadway. 9/12/08</p>	<p>Stabilize exposed soils as quickly as possible. Cover the exposed soil with mulch to reduce exposure for erosion. Monitor and maintain silt fence, install additional erosion control measures as necessary. 9/12/08</p> <p>Continue to ensure that drainage does not cause issues on the roadway. Hay bale check dams and barriers had been installed but could control the sediment.</p> <p>Regrade and stabilize areas of exposed soils with mulch and seed. 9/12/08</p> <p>Stabilize the area and clean out the catch basin and inlet. 9/12/08</p> <p>Discuss options with CL&P on how to address the material that has eroded into the substation. 9/12/08</p> <p>Sweep roadway as necessary. 9/12/08</p>	<p>Area was graded and topsoil was spread but needs additional stabilization.</p> <p>Needs attention.</p> <p><i>(See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</i></p> <p>Needs attention.</p> <p>Discuss options with CL&P on clean-up efforts within substation.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Inland Wetland and Watercourse encroachment and mitigation	A resource area appears to be located down gradient from the work near sta#15-18. 9/12/08	See Erosion & Sediment Controls section for more details. 9/12/08	NA
Staging Storage, and Parking Areas	A contractor lay-down yard located at 6 Smith Street in Norwalk, is no longer in use and has been restored. 9/12/08	None. 9/12/08	NA
Soils	<p>Soil has been is exposed during trenching vault and utility installation during active work. Exposed soil near sta# 0-4 was recently hydro-seeded. 9/12/08</p> <p>Topsoil was recently spread over the work area along the Rt. 7 off-ramp near sta #4-9+50 but remained exposed going into a period of heavy rain. Eroded gullies and washouts formed in many locations, resulting in sedimentation. 9/12/08</p>	<p>Soils appear to be handled appropriately. Monitor this area for stabilization. 9/12/08</p> <p>Work quickly to regrade and stabilize these exposed soils. Provide seed and thick mulch to reduce exposure to erosion. Haybale check dams are present but were not successful in containing the area. 9/12/08</p>	<p>Area was hydroseeded.</p> <p>Needs attention.</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area. 9/12/08	None. 9/12/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Multiple trees have been cleared between sta. #15-18. The area was regraded but was not mulched or fully seeded. 9/12/08</p> <p>The area near the Norwalk substation perimeter (sta. #0-4) has been backfilled, regraded, hydro-seeded and trees have been planted. Areas downgradient remain exposed. 9/12/08</p>	<p>When work is completed, restore the area as indicated in the D&M plan. Exposed topsoil needs stabilization measures. 9/12/08</p> <p>Continue to monitor areas. 9/05/08</p>	<p>Area was regraded but needs stabilization.</p> <p>Sta #0-4 was hydro-seeded.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering activities were not observed during this week's inspection. 9/12/08	Continue to appropriately contain and/or filter discharge water. 9/12/08	NA
Spills and Material Storage	<p>Spill cleanup materials/kits should be brought from site to site with equipment. 9/12/08</p> <p>Concrete washouts appear to have been removed from along the slope near sta. #14-16 as the area was regraded and covered in topsoil. 9/12/08</p>	<p>Ensure that spill kits are present with each vehicle during active construction. 9/12/08</p> <p>Restrict access to the area or continue to restore to discourage additional washouts from occurring 9/12/08</p>	<p>NA</p> <p>Area was being restored but still needs stabilization.</p>
Additional Observations	None. 9/12/08	None. 9/12/08	NA

Next likely scheduled inspection:

Friday, September 19, 2008

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



Pre-cast concrete retaining wall has been restored outside of the Norwalk substation near sta. #0 and the area has been backfilled. Trees and landscaping has also been restored and a portion of the area was hydroseeded.



The area near sta. #2-8 has been re-graded and topsoil has been spread. However, heavy rain has washed out some of the topsoil creating gullies, and portions of the previously restored swale have filled with sediment.



Area between near sta. #9 was re-graded but has since washed out and eroded. A hay bale barrier was installed to contain the exposed soil but a fair amount of sediment migrated into the adjacent substation.



The slope near sta. #14-16 has been re-graded, but did not appear to be seeded or mulched, leaving it vulnerable to erosion.