

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: January 24, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.34" of precipitation was reported since the previous inspection, all of which was recorded on 1/18 (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. 1/24/08	None: 1/24/08	NA (Not applicable)
Vault Openings and Trench Construction Norwalk	Trenching continues near sta. #4 along the Route 7 off-ramp. Work has been completed near sta #23-24 and crews were re-paving the area. 1/24/08	Continue to monitor areas. Mulch/ temporarily stabilize areas as they are completed. Continue to sweep roadways as soon as feasible. 1/24/08	NA
Erosion and Sediment Controls	Controls had to be removed from catch basins on state routes per request of ConnDOT to improve drainage during winter conditions. 1/24/08 On non-state routes, filter fabric or filter socks are installed in most catch basins adjacent to the construction activities. 1/24/08 Silt fence at sta. #15-16 was repaired last week. however, there is a small	Since controls are not allowed in the catch basins on state routes, attend to all sediment at the source and stabilize exposed soils as quickly as possible. 1/24/08 Continue to place a gutter buddy (or similar) in any catch basins with a curb/gutter drop inlet to prevent sediment from entering basin. 1/24/08 Monitor and maintain silt fence and install additional erosion control	Needs regular attention. NA Controls still need attention following repair last week.

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	<p>break in the fence downgradient from where a small gully has formed. A minor amount of sediment has migrated beyond the barrier in this area despite the crushed stone covering the exposed soil. 1/24/08</p> <p>Haybales previously placed along the down gradient side of the slope near sta. #18 have been moved, no longer forming a continuous barrier (since 12/5/07). Soils remain temporarily stabilized with process material. 1/24/08</p> <p>A drainage inlet near sta. #9+50 was protected with silt fence and hay bales, but accumulated sediment remains in the inlet. 12/5-1/24/08 Hay bales are also beginning to deteriorate. 1/11-1/24/08</p> <p>The inlet at #9+50 was associated with a pre-construction drainage swale. Trench work has modified the grades in the area (removing the swale) and the inlet no longer appears to function. 11/28/07-1/24/08.</p> <p>Backfilled soil remains exposed between sta. #6-10 along the shoulder of the Rt. 7 off-ramp since 11/28/07. Silt fence and a hay berm were installed at sta. #6 on 12/12/07. At sta. #8-9, erosion is causing soil to wash under the chain link</p>	<p>measures as necessary. Re-grade portions of the slope to remove the gully and toe-in the silt fence here. Use caution during future work to minimize unnecessary impacts to the surrounding areas. 1/24/08</p> <p>Reset haybales along the base of the slope and stake bales in place. Controls are needed as there is no barrier between work and what appears to be a resource area down gradient. 12/21-1/24/08</p> <p>Remove accumulated sediment from the drainage inlet. Continue to monitor controls and refresh as necessary. From past observations during the Bethel- Norwalk project, this inlet receives high velocity run-off. 12/5-1/24/08</p> <p>Contractors have stated they plan to restore the drainage swale to pre-construction conditions when work is complete. Continue to ensure that drainage does not cause issues on the roadway. 1/24/08</p> <p>Temporarily stabilize areas of exposed, inactive soils in a way that is sufficient for winter months. Attend to this within timelines approved by the D&M. 12/21-1/18/08 From past experience with Bethel-Norwalk, this</p>	<p>Needs additional attention to reset and stake hay bales.</p> <p>Needs additional attention to remove accumulated sediment and refresh hay bales.</p> <p>Continue to monitor. (See Norwalk 9S Phasing and Erosion Control Plan rev. 10/30/03 from the Bethel-Norwalk project as reference)</p> <p>Needs attention. Contractors stated they installed additional stone here following the inspection</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Norwalk Norwalk lay-down yard</p>	<p>fence into the substation. 1/11-1/24/08</p> <p>The yard is lined with perimeter erosion controls (silt fence and haybales). The area adjacent to the Norwalk River is protected by an existing concrete dock. 1/24/08</p> <p>A small asphalt berm remains at the one tank located on the concrete slab in order to direct run-off towards the concrete pit. 1/24/08</p>	<p>with Bethel-Norwalk, this area has a high potential for erosion. 12/5-1/24/08</p> <p>Install barrier controls between the Norwalk River in locations that runoff may flow from the yard to the River before materials are brought to site. The existing concrete slab/dock provides a good barrier. 1/24/08</p> <p>Continue to monitor to ensure run-off is fully contained. 1/24/08</p>	<p>Continue to monitor.</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The Norwalk storage yard is bound on the westerly side by the Norwalk River. The existing concrete dock provides good containment. 1/24/08</p> <p>It appears a resource area is located downgradient from the work near sta#17-18. Controls were not intact here. 12/31-1/24/08</p>	<p>See erosion control section. 1/24/08</p> <p>Provide control measures. See Erosion & Sediment Controls and Spills & Materials Storage sections for more details. 1/24/08</p>	<p>NA</p> <p>Needs attention</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A contractor lay-down yard is located at 6 Smith Street in Norwalk. An existing concrete slab and depression/pit provide good containment here. At present, only frac tanks are being stored in the yard. 1/24/08</p>	<p>Continue to properly isolate yard from Norwalk River to prevent any impacts to the watercourse. If any loose materials are stored on top of the slab, more controls will be needed. 1/24/08</p>	<p>Needs attention if working within exposed area</p>
<p>Soils</p>	<p>Soil is exposed during trenching vault and utility installation during active work. 1/24/08</p> <p>Active work continues</p>	<p>Soils appear to be handled appropriately. Ensure any material stockpiles are contained. 1/24/08</p> <p>Stabilize areas of exposed</p>	<p>NA</p> <p>Needs attention.</p>

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	along the Rt. 7 off-ramp but some areas of backfilled/exposed soils remain. 11/28/07-1/24/08	soils when work is complete. Temporarily stabilize any areas where exposed soils are expected to remain inactive for more than 21 days. 1/24/08	
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
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Multiple trees have been cleared between sta. #15-18. 1/24/08	When work is completed, restore the area as indicated in the D&M plan. 1/24/08	NA
Dewatering	Dewatering activities were observed near sta. #4. Water was being pumped directly from the trench by a vac truck. 1/24/08	Continue to appropriately contain and/or filter discharge water. 1/24/08	A vac truck was in use.
Spills and Material Storage	Spill cleanup materials/kits should be brought from site to site with equipment. 1/24/08 An uncontained concrete washout was observed on 12/21/07. The washout appears to have been properly cleaned and removed 1/24/08	Ensure that spill kits are present with each vehicle during active construction. 1/24/08 Install controls and ensure future washouts are contained in an appropriate location. 12/21-1/24/08	NA Washout appears to have been properly cleaned and removed.
Additional Observations	None. 1/24/08	None. 1/24/08	NA

Next likely scheduled inspection: Thursday, January 31, 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



Exposed soil along the Route 7 off ramp near sta. #9 has eroded and sediment has migrated into the adjacent substation. Contractors stated that they placed additional stone here following the inspection.



Trenchwork continues near sta. #4 along the substation fence and Rt. 7 off-ramp.



Silt fence has been repaired near sta. #15-16 but there is a small break in the fence, where a gully has formed. Sediment is eroding in this location and is beginning to migrate beyond the silt fence barrier.



Trenching activities have been completed near sta. #23-24 and crews are re-paving the area.