

**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.**

**Underground Line Watercourse and Railroad Crossings**

**Date:** October 11, 2007

**Inspector:** Gregory Sommer

**Location:** Crossings of Watercourses and Railroads in Segments 3, 4a and 4b

**Rain Event:** 0.56" of precipitation was reported since the previous inspection, with the majority of the total falling on 10/09 and 10/10 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Access Roads and Adjacent Roadways</b>	A stone construction entrance is in place at the access to the staging area on the east side of the Saugatuck River. The entrance is accessed from the paved parking area off of Imperial Ave. No sediment tracking was observed. 10/11/07	Continue to maintain construction entrance to reduce sediment migration from the work area. Sweep the parking lot and area as necessary. 10/11/07	NA at this time but needs regular attention.
<b>Vault Openings and Trench Construction</b>	Crews were actively working on the Horizontal Directional Drill (HDD) between vault #14 to vault #15 under the Saugatuck River. The drilling rig was set-up on the west side of the river. Work was temporarily stopped due to a minor loss of drilling fluid return. Crews were working to correct the situation. 10/11/07	Continue to monitor carefully for drilling fluid releases and continue to address as specified in the monitoring plan provided in the D&M. Contractors have been monitoring pressure and making regular visual inspections in the river. 10/11/07	NA
<b>Erosion and Sediment Controls</b>	No catch basins were observed to be down-gradient of/adjacent to areas of exposed soil. 10/11/07	Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils to prevent sediment from entering basin. 10/11/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Special attention should be given to the east side staging area as the majority of the area is an exposed dirt surface and residences are nearby. 10/11/07</p> <p>Silt fence is in place at the perimeter of the staging area on the west bank of the river. 10/11/07</p> <p>Silt fence is also in place at the staging area on the east bank of the river and appears to appropriately contain the drilling fluid return and recycling pits. However, some drilling fluid had migrated against a portion of the fence and a small amount had splashed beyond the controls. 10/11/07</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. 10/11/07</p> <p>Continue to monitor and maintain the controls. 10/11/07</p> <p>Continue to monitor and maintain the controls. Identify areas of potential high flow or run-off and reinforce controls when necessary. 10/11/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>The currently active portion of the project consists of the watercourse crossing of the Saugatuck River and associated wetlands in Westport. 10/11/07</p>	<p>Continue to implement the approved monitoring plan for the crossing of the Saugatuck River provided in the D&amp;M plan in order to avoid impacts to the resource areas. 10/11/07</p>	<p>NA</p>
<p><b>Staging, Storage, and Parking Areas</b></p>	<p>A staging area has been established on either side of the Saugatuck River to accommodate the HDD activities. On the east side of the river, the staging area is within a gravel parking area. On the west side, staging is within a paved parking lot of a church. 10/11/07</p> <p>A bentonite clay</p>	<p>See erosion control section for more details. Contractors have stated the materials will be removed when the yard is restored. Contain all material within the established limits of both yards. 10/11/07</p> <p>Continue to monitor area</p>	<p>NA at this time.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>reclamation/ recycling machine, used to separate bentonite clay from the soil is set-up within the staging area on the east side of the river. The staging yard was becoming very muddy due to the rainy conditions and bentonite reclamation, but the area was adequately contained. Sediment tracking was not an issue. 10/11/07</p>	<p>for sediment tracking sweep parking lot/ roadway as necessary. Minimize vehicle traffic in the staging area when feasible. 10/11/07</p>	
<p><b>Soils</b></p>	<p>Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 10/11/07</p> <p>The drilling pit within the east side staging yard currently appears to be adequately sized for receiving drilling slurry. A small amount of material appeared to have splashed out of the pit beyond the silt fence limits. 10/11/07</p>	<p>Soils appear to be handled appropriately. Monitor for dust as previously indicated. 10/11/07</p> <p>Continue to monitor the amount of slurry in relation to the size of the pit to ensure adequate storage capacity. Also consider impacts from future storm events and run-off. Use caution to prevent drilling fluid from splashing out of the pit and beyond the controlled limits of the yard. 10/11/07</p>	<p>NA</p> <p>Requires regular attention and monitoring.</p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area</p>	<p>None.</p>	<p>NA</p>
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p>A row of hedges/shrubs was removed from the west side of the river near sta. #236+50. This area was not specifically marked with a note for clearing on the 4/5/07 revised version of the D&amp;M Plan 9/18 - 10/11/07</p>	<p>Re-establish removed vegetation when feasible or confirm removal with the CSC if not approved by the D&amp;M Plan. If the removal is included on a more recent revision of the D&amp;M, restore vegetation as indicated when work is complete. 10/11/07</p>	<p>Needs evaluation/ confirmation.</p>
<p><b>Dewatering</b></p>	<p>Dewatering activities were not observed during</p>	<p>None. If dewatering needs to occur, ensure</p>	<p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>this week's inspection. 10/11/07</b>	<b>that it is contained appropriately and treated according to the groundwater handling plan as referenced in the D&amp;M. 10/11/07</b>	
<b>Blasting</b>	<b>No blasting has been proposed. 10/11/07</b>	<b>None 10/11/07</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<p><b>Reserve spill cleanup materials/kits were observed in the staging area. 10/11/07</b></p> <p><b>Secondary containment has been provided for two 55-gallon drums located in the staging area on the east side of the river. 10/11/07</b></p>	<p><b>Continue to bring spill kits to active work sites. 10/11/07</b></p> <p><b>It is recommended that 100% secondary containment is provided for any fuels, oils, paints, solvents, or other hazardous materials stored on-site due to the overall sensitive nature of the area. 10/11/07</b></p>	<p><b>NA</b></p> <p><b>Secondary containment was provided.</b></p>
<b>Additional Observations</b>	<b>None. 10/11/07</b>	<b>None. 10/11/07</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday October 18, 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:** Gregory Sommer, BSC Group

**Reviewer:** Diana Walden, BSC Group



**View of the drilling rig positioned in the staging area on the west side of the Saugatuck River. Drilling fluid is being properly contained.**



**Staging area on the east side of the Saugatuck River was becoming very muddy as a result of the bentonite reclamation combined with the rain. The area was being adequately maintained and tracking was not an issue.**



**Secondary containment has been provided for two 55-gallon drums located in the staging area on the east side of the river**



**The perimeter silt fence appears to be adequately sized and positioned to contain the drilling slurry return and recycling pits on the east side of the river. However, some of the drilling fluid appears to have migrated out of the pit, against the fence. A small amount splashed beyond the controls.**