

**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 18, 2007

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.65” of precipitation was reported since the previous inspection, with 0.60” falling 10/11 and 0.05” falling on 10/12 (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. Some sediment tracking was observed, but it was limited to the parking lot area. 10/18/07	Continue to maintain construction entrance to reduce sediment migration from the work area. Sweep the parking lot and area as necessary. 10/18/07	Needs regular attention.
	On the west side of the river, Lincoln St. has been closed and conduit was being staged. 10/18/07	None at this time. 10/18/07	Not Applicable (NA)
<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 relocated to the east side of the river. Work was temporarily stopped due to a minor loss of drilling fluid return. A diver was in the water and crews were working to correct	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. 10/18/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	the situation. 10/18/07		
<b>Erosion and Sediment Controls</b>	<p>No catch basins were observed to be down-gradient of/adjacent to areas of exposed soil. 10/18/07</p> <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. 10/18/07</p> <p>Silt fence is in place at the perimeter of the staging area on the west bank of the river but a portion of the silt fence was not toed-in along Lincoln St. 10/18/07</p> <p>Silt fence is also in place at the staging area on the east bank of the river. However, the drilling fluid return and recycling pits appear to have been expanded and the silt fence no longer encompasses the entire area. 10/18/07</p>	<p>Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils to prevent sediment from entering basin. 10/18/07</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. 10/18/07</p> <p>Toe-in silt fence along Lincoln St. and continue to monitor and maintain the controls. 10/18/07</p> <p>Adjust/extend controls to fully encompass the drilling fluid return and recycling pits. Continue to monitor and maintain the controls. Identify areas of potential high flow or run-off and reinforce controls when necessary. 10/18/07</p>	<p>NA</p> <p>NA</p> <p>Needs attention.</p> <p>Needs attention.</p>
<b>Inland Wetland and Watercourse encroachment and mitigation</b>	<p>The currently active portion of the project consists of the watercourse crossing of the Saugatuck River and associated wetlands in Westport. 10/18/07</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. 10/18/07</p>	<p>NA</p>
<b>Staging, Storage, and Parking Areas</b>	<p>A staging area has been established on either side of the Saugatuck River to</p>	<p>See erosion control section for more details. Contractors have stated</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>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. 10/18/07</p> <p>A bentonite clay 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 muddy due to bentonite reclamation activities, but the area was largely contained. Sediment tracking was evident but limited to the parking lot area. 10/18/07</p>	<p>the materials will be removed when the yard is restored. Contain all material within the established limits of both yards. 10/18/07</p> <p>Continue to monitor area for sediment tracking sweep parking lot/ roadway as necessary. Minimize vehicle traffic in the staging area when feasible. Also, see erosion control section. 10/18/07</p>	<p>Needs regular attention.</p>
<p>Soils</p>	<p>Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 10/18/07</p> <p>The drilling pit within the east side staging yard appears to have been recently enlarged, possibly due to the soil along the walls sloughing off into the pit. The pit appears to be adequately sized for receiving drilling slurry. 10/18/07</p>	<p>Soils appear to be handled appropriately. Monitor for dust as previously indicated. 10/18/07</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. 10/18/07</p>	<p>NA</p> <p>Requires regular attention and monitoring</p>
<p>State species of concern, threatened and endangered species.</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>Vegetative clearing (including trees to save or danger trees noted)</p>	<p>A row of hedges/shrubs was removed from the west side of the river near</p>	<p>Re-establish removed vegetation when feasible or confirm removal with</p>	<p>Needs evaluation/ confirmation.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>or stabilization</b>	<p>sta. #235+75. This area was not specifically marked with a note for clearing on the 4/5/07 revised version of the D&amp;M Plan 9/18-10/18/07</p> <p>Shrubs were removed from the west side of the river near sta. #234+50. This area does appear to be part of the section marked with a note for clearing on the 4/5/07 D&amp;M Plan 10/18/07</p>	<p>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. 10/18/07</p> <p>When work is completed, restore the area as indicated in the D&amp;M plan. 10/18/07</p>	NA at this time
<b>Dewatering</b>	Dewatering activities were not observed during this week's inspection. 10/18/07	None. If dewatering needs to occur, ensure that it is contained appropriately and treated according to the groundwater handling plan as referenced in the D&M. 10/18/07	NA
<b>Blasting</b>	No blasting has been proposed. 10/18/07	None 10/18/07	NA
<b>Spills and Material Storage</b>	<p>Reserve spill cleanup materials/kits were observed in the staging area. 10/18/07</p> <p>Secondary containment was noted for the fuel tank. 10/18/07</p>	<p>Continue to bring spill kits to active work sites. 10/18/07</p> <p>None. Continue to store materials at least 100 feet from wetlands. 10/18/07</p>	<p>NA</p> <p>Proactive secondary containment was in place.</p>
<b>Additional Observations</b>	None. 10/18/07	None. 10/18/07	NA

**Next likely scheduled inspection:**

Thursday October 25, 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 staging area on the west side of the Saugatuck River. Silt fence along Lincoln St. need to be repaired and toed-in. Shrubs have been removed which were not specifically marked with a note for clearing on the 4/5/07 revised version of the D&M Plan.**



**The bentonite reclamation equipment located in the staging area on the east side of the Saugatuck River is well contained. Secondary containment has also been provided for the temporary fuel tank.**



**The drilling pit within the east side staging area appears to have been recently enlarged, possibly due to the soil along the walls sloughing off into the pit. Adjust and extend the silt fence to fully encompass the drilling fluid return and recycling pits.**



**Some sediment tracking was evident near the entrance to the staging area on the east side of the river, but was limited to the parking lot.**