

**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 4, 2007

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.13” of precipitation was reported since the previous inspection, with the total amount recorded on 9/27 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Access Roads and Adjacent Roadways</b>	<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. Minor sediment tracking was observed, but limited to the paved parking lot area 10/04/07</b>	<b>Continue to maintain construction entrance to reduce sediment migration from the work area. Sweep the parking lot and area as necessary. 10/04/07</b>	<b>NA at this time but needs regular attention.</b>
<b>Vault Openings and Trench Construction</b>	<b>Crews were actively working on the Horizontal Directional Drill (HDD) between vault #14 to vault #15 under the Saugatuck River. The drill set-up was recently moved to the west side of the river. Work was temporarily stopped to address a recent frac-out near the west bank of the river. Crews were actively cleaning the area 10/04/07</b>	<b>See Inland Wetlands Section for additional details. 10/04/07</b>	<b>NA</b>
<b>Erosion and Sediment Controls</b>	<b>No catch basins were observed to be down-gradient of/ adjacent to</b>	<b>Place a gutter buddy (or similar) in any catch basins located down</b>	<b>NA at this time</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>areas of exposed soil. 10/04/07</b></p> <p><b>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. 10/04/07</b></p> <p><b>Silt fence is in place at the perimeter of the staging area on the west bank of the river. 10/04/07</b></p>	<p><b>gradient of exposed soils with a curb/gutter drop inlet to prevent sediment from entering basin. 10/04/07</b></p> <p><b>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. 10/04/07</b></p> <p><b>Continue to monitor and maintain the controls. 10/04/07</b></p>	<p><b>NA</b></p> <p><b>NA at this time</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The currently active portion of the project consists of the watercourse crossing of the Saugatuck River and associated wetlands in Westport. 10/04/07</b></p> <p><b>A frac-out (accidental release) of drilling fluid was observed in the Saugatuck River near the west bank in the mudflats during low tide. Crews had stopped drilling activities as specified in the D&amp;M Plan to place booms around the area. They were actively vacuuming up the slurry and the time of inspection and appeared to have it contained. DEP and OLISP were contacted as required. 10/04/07</b></p>	<p><b>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. 10/04/07</b></p> <p><b>Continue to monitor carefully for drilling fluid releases and continue to address as specified in the monitoring plan provided in the D&amp;M. Contractors have been monitoring pressure and making regular visual inspections in the river. 10/04/07</b></p>	<p><b>NA</b></p> <p><b>Regular inspections are occurring leading to the discovery and appropriate clean-up of a frac-out. DEP was informed.</b></p>
<p><b>Staging Storage, and</b></p>	<p><b>A staging area has been</b></p>	<p><b>See erosion control</b></p>	<p><b>NA at this time.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Parking Areas</b>	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 (the demobilized Imperial Ave contractor yard). On the west side, staging is within a paved parking lot of a church. 10/04/07	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. 10/04/07	
<b>Soils</b>	Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 10/04/07  The drilling pit within the east side staging yard appeared to be adequately sized for receiving drilling slurry. A bentonite clay reclamation/ recycling process is also set up here. Machinery works to separate the used bentonite clay from the soil in order to re-use it. 10/04/07	Soils appear to be handled appropriately. Monitor for dust as previously indicated. 10/04/07  Continue to monitor the amount of slurry in relation to the size of the pit to ensure adequate storage capacity. Consider additional impacts of future storm events and run-off. 10/04/07	NA  Requires regular attention and monitoring.
<b>State species of concern, threatened and endangered species.</b>	According to the D&M plan, state-listed species are not located in this work area	None.	NA
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	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&M Plan 9/18 - 10/04/07	Re-establish removed vegetation when feasible or confirm removal with the CSC if not approved by the D&M Plan. If the removal is included on a more recent revision of the D&M, restore vegetation as indicated when work is complete. 10/04/07	Needs evaluation/ confirmation.
<b>Dewatering</b>	Dewatering activities were not observed during this week's inspection but	None. If dewatering needs to occur, ensure that it is contained	NA

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>a clean up crew was removing drilling fluid from a frac-out in the mudflats near the west bank of the river. 10/04/07</b>	<b>appropriately and treated according to the groundwater handling plan as reference in the D&amp;M. 10/04/07</b>	
<b>Blasting</b>	<b>No blasting has been proposed. 10/04/07</b>	<b>None 10/04/07</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<p><b>Reserve spill cleanup materials/kits were observed in the staging area. 10/04/07</b></p> <p><b>Two 55-gallon drums located in the staging area on the east side of the river were being stored without secondary containment. 10/04/07</b></p>	<p><b>Continue to bring spill kits to active work sites. 10/04/07</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. 10/04/07</b></p>	<p><b>NA</b></p> <p><b>Needs attention.</b></p>
<b>Additional Observations</b>	<b>None. 10/04/07</b>	<b>None. 10/04/07</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday October 11, 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 drill positioned in the staging area on the west side of the of the Saugatuck River.**



**Crews were working to clean-up drilling fluid from a recent frac-out on the mud flats near the west bank Saugatuck River. The circle roughly depicts the extent of the darker colored spill against the mud.**



**Two 55-gallon drums located in the staging area on the east side of the river were being stored without secondary containment. This is recommended due to the overall sensitivity of the area.**



**A stone construction entrance is in place at the access to the staging area on the east side of the Saugatuck River. Minor tracking was observed, but limited to the paved parking lot area.**