

**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 3 Underground Line**

**Date:** September 18, 2007

**Inspector:** Katie Bednaz

**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 0.11 of precipitation recorded on 9/15. (Bridgeport, CT NOAA data)

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<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. 9/18/07</b>	<b>Continue to maintain construction entrance to reduce sediment tracking from the work area. Sweep as needed. 9/18/07</b>	<b>NA at this time</b>
<b>Vault Openings and Trench Construction</b>	<b>Crews were set up for work on the Horizontal Directional Drill (HDD) between vault #14 to vault #15 under the Saugatuck River. The drill and drilling fluid pit were in place. Work was temporarily stopped to address an observed frac-out (on land) on the west bank of the River. 9/18/07</b>	<b>See Inland Wetlands Section for additional details. 9/18/07</b>	<b>NA</b>
<b>Erosion and Sediment Controls</b>	<b>No catch basins were observed to be down-gradient of/ adjacent to areas of exposed soil. 9/18/07</b>	<b>Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils with a curb/gutter drop inlet to prevent sediment from entering basin. 9/18/07</b>	<b>NA at this time.</b>

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. 9/18/07</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. 9/18/07</p>	<p>NA at this time.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>This location and portion of the project consists of the active water crossing of the Saugatuck River and associated wetlands in Westport. 9/18/07</p> <p>A frac-out of drilling fluid was observed (on land) on the west bank of the Saugatuck River. The material was adequately controlled in a haybale and silt fence enclosure and was removed to the extent feasible with a vac truck. At the time of inspection, drilling activities were temporarily stopped to address this issue as specified in the D&amp;M Plan. 9/18/07</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. 9/18/07</p> <p>Continue to monitor carefully for drilling fluid releases and continue to address as specified in the monitoring plan provided in the D&amp;M. 9/18/07</p>	<p>NA at this time.</p> <p>Drilling fluid release was observed on land and appropriately contained.</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 (the demobilized Imperial Ave contractor yard). On the west side, staging is within a paved parking lot of a church. 9/18/07</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. 9/18/07</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Soils</b>	<p>Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 9/18/07</p> <p>The drilling pit within the east side staging yard appeared to be adequately sized for receiving drilling slurry. 9/18/07</p>	<p>Soils appear to be handled appropriately. Monitor for dust as previously indicated. 9/18/07</p> <p>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. 9/18/07</p>	<p>NA</p> <p>Requires regular attention and monitoring.</p>
<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 were 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. 9/18/07	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. 9/18/07	Needs evaluation/confirmation.
<b>Dewatering</b>	Dewatering activities were not observed during this week's inspection but a vac truck was used to remove drilling fluid from a frac-out (on land). 9/18/07	None. If dewatering needs to occur, ensure that it is contained appropriately and treated according to the groundwater handling plan as reference in the D&M. 9/18/07	NA
<b>Blasting</b>	No blasting has been proposed. 9/18/07	None 9/18/07	NA
<b>Spills and Material Storage</b>	Reserve spill cleanup materials/kits were observed in the staging area. 9/18/07	Continue to bring spill kits to active work sites. 9/18/07	NA
<b>Additional Observations</b>	None. 9/18/07	None. 9/18/07	NA

**Next likely scheduled  
inspection:**

**Wednesday September 26, 2007**

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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:** Katie Bednaz, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Shrubs have been removed at sta. #236+25 to accommodate construction activities. A specific note for shrub removal was not provided on the D & M Plan for this location.**



**Frac-out at sta. #236 was contained with a silt fence and haybales enclosure. Sediment was removed by a vac truck.**



**Photograph of staging area for the HDD located on the east side of the Saugatuck River.**



**Photograph of drilling fluid and soil receiving pit and the drill set up on the east side of the Saugatuck River. All materials were adequately contained.**