

**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:** May 29, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 1.32” of precipitation was reported since the previous inspection, with 0.33” recorded on 5/22 and 0.99” recorded on 5/27 (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 Saugatuck River</b>	<b>Staging areas on both sides of the Saugatuck River were used by the contractor for segment 4b to facilitate vault tie-in work. The areas are being restored. 5/29/08</b>	<b>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). 5/29/08</b>	<b>Continue to monitor.</b>
<b>Housatonic River</b>	<b>HDD work is complete. The tie-in correction work on the east side is still finishing up. 5/29/08</b>	<b>Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 5/29/08</b>	<b>Not Applicable (NA)</b>
<b>Metro North R.R. - Milford</b>	<b>Staging areas have been established on the north and south side of the Metro North R.R. off Naugatuck Ave. A temporary access road has been cut to maintain access to the boat launch area. 5/29/08</b>	<b>Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/29/08</b>	<b>NA</b>
<b>Sasco Creek Bridge Attachment Fairfield/Westport</b>	<b>Work to attach the conduit bank to the underside of the bridge deck appears to be complete. 5/29/08</b>	<b>Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/29/08</b>	<b>NA at this time</b>
<b>Vault Openings and Trench Construction Saugatuck River</b>	<b>HDD work on the Saugatuck River is complete. Areas are still</b>	<b>Monitor and maintain sediment and erosion controls. Contractors plan to</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Housatonic River</b></p> <p><b>Metro North R.R. - Milford</b></p> <p><b>Sasco Creek Bridge Attachment Fairfield/Westport (This area represents the intersection between Segments 4A and 4B).</b></p>	<p><b>undergoing final restoration/ surface treatment. 5/29/08</b></p> <p><b>HDD work at the Housatonic River is complete, including work to correct the inadvertently crossed conduits on the east side. 5/29/08</b></p> <p><b>Conduit has been pulled through the second boring. The drill pit has been partially backfilled adequately sized and drilling fluid was contained. Electrical contractors were on site proofing the lines. 5/29/08</b></p> <p><b>Tie-in work appears to be complete on the bridge over Sasco Creek near sta. #434. Final backfilling is still required near the tie-in locations. 5/29/08</b></p>	<p><b>pave the west side soon. 3/20-5/29/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 5/29/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 5/29/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 5/29/08</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Erosion and Sediment Controls</b></p> <p><b>Saugatuck River</b></p> <p><b>Housatonic River</b></p>	<p><b>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/29/08</b></p> <p><b>On the west side, the portions of the work area that were restored are beginning to vegetate. The adjacent area is still waiting to be paved (since 3/20). 5/29/08</b></p> <p><b>On the east side, the contractor for segment 4b has restored most of the staging area. The town of Westport has performed additional restoration work. 5/29/08</b></p> <p><b>Hay bales remain along the bank of the river on the</b></p>	<p><b>Prevent dust migration by implementing the dust control measures. 5/29/08</b></p> <p><b>Continue to monitor until the area is stabilized with vegetative cover. Restore controls if needed until this occurs. Continue to sweep the roadway as necessary. 5/29/08</b></p> <p><b>Coordinate final restoration efforts/ responsibilities. Stabilization will be needed on all exposed areas. 5/22/08</b></p> <p><b>Continue to monitor the area and maintain controls</b></p>	<p><b>NA at this time.</b></p> <p><b>Adjacent areas need final paving</b></p> <p><b>Area has been adequately restored.</b></p> <p><b>Monitor the area and perform final</b></p>

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<p><b>Metro North R.R. - Milford</b></p>	<p><b>east side. 5/29/08</b></p> <p><b>On the east side a dirt berm remains mulched along the south side of the staging area adjacent to a resource area. In the same general area, a small channel remains lined with crushed stone to contain sediment. 5/29/08</b></p>	<p><b>to ensure they adequately contain the area. Provide final restoration to the area when feasible. 5/29/08</b></p> <p><b>Permanently stabilize the area as soon as feasible. 5/29/08</b></p>	<p><b>restoration when work is complete.</b></p> <p><b>Continue to monitor</b></p>
	<p><b>The staging area on the south side has been demobilized and the perimeter controls have been removed. Silt fence remains around the temporary access road, which has been cut for access to the boat launch. A portion of the adjacent area was restored and temporarily stabilized with hay mulch. 5/29/08</b></p>	<p><b>Continue restoration efforts. Remove temporary access road when access to the boat ramp is restored. 5/29/08</b></p>	<p><b>Needs attention when feasible.</b></p>
	<p><b>Hay bales were removed from around a catch basin near the staging area along Naugatuck Ave. and the basin was no longer protected (since 5/15). Accumulated sediment was also observed along the edge of the roadway and along the concrete barrier curbs. 5/29/08</b></p>	<p><b>If hay bales had to be moved to accommodate work, a silt sack should be installed directly within the grate or the contractor needs to clean the catch basin as soon as work is complete. 5/15-5/29/08 Remove accumulated sediment from the roadway. 5/29/08</b></p>	<p><b>Needs attention.</b></p>
<p><b>Sasco Creek Bridge Attachment Fairfield/Westport</b></p>	<p><b>Work to attach the conduit bank to the bridge deck appears to have been completed. 5/29/08</b></p>	<p><b>Ensure that controls are in place to catch/contain any debris from falling into the river as indicated in the D&amp;M plan. 5/29/08</b></p>	<p><b>Continue to monitor.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>The HDD of the Saugatuck River and associated wetlands in Westport is complete. Final restoration efforts</b></p>	<p><b>None. 5/29/08</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>continue. 5/29/08</b></p> <p><b>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 5/29/08</b></p> <p><b>On the east side of the Housatonic River, the berm along the south side of the staging area has been mulched but there are no other controls between it and the adjacent resource area. 5/29/08</b></p>	<p><b>The drill work was completed well with the approved monitoring plan provided in the D&amp;M plan 5/29/08</b></p> <p><b>Install erosion control measures between the dirt berm and the adjacent resource area if needed. See Erosion and Sediment Controls section for more details. 5/29/08</b></p>	<p><b>NA</b></p> <p><b>Continue to monitor.</b></p>
<p><b>Staging, Storage, and Parking Areas Saugatuck River</b></p> <p><b>Housatonic River</b></p> <p><b>Metro North R.R. - Milford</b></p>	<p><b>On the east side of the Saugatuck River, the contractor for segment 4b used the staging area to facilitate vault tie-in work. It has since been restored and the town was performing additional upgrades here. 5/29/08</b></p> <p><b>Restoration efforts are on hold on the east side until the final tie-in work at the nearby Metro North HDD site is complete so that all of the restoration work can be completed at once. 5/29/08</b></p> <p><b>Staging areas have been established on both sides of the Metro North R.R. off of Naugatuck Ave. HDD work is complete. 5/29/08</b></p>	<p><b>None at this time. 5/29/08</b></p> <p><b>Contain all material within the established limits of work zone and clean and restore the areas appropriately. See Erosion Control section for more details. 5/29/08</b></p> <p><b>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 5/29/08</b></p>	<p><b>The .</b></p> <p><b>Continue to monitor.</b></p> <p><b>NA</b></p>
<p><b>Soils</b></p>	<p><b>Soils are exposed as part of the drill set-up and excavations at each HDD. Drilling slurry (bentonite clay) is used in the process. 5/29/08</b></p>	<p><b>Monitor for dust as previously indicated. See the Spills and Material Storage section. 5/29/08</b></p>	<p><b>NA</b></p>

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<p><b>Saugatuck River</b></p> <p><b>Housatonic River</b></p> <p><b>Metro North R.R. - Milford</b></p>	<p><b>Drilling pit area on the west side is awaiting pavement (since 3/20). 5/29/08</b></p> <p><b>The work area on the east side has been re-excavated to correct the inadvertently crossed conduits. The area has since been backfilled. 5/29/08</b></p> <p><b>The staging area on the south side has been partially restored. Hay mulch has been spread to stabilize areas of exposed soil. 5/29/08</b></p>	<p><b>The west side has been backfilled without the final surface treatment for a number of weeks (since 3/20). 5/29/08</b></p> <p><b>Continue to monitor the area. Stabilize the surface as soon as feasible 5/29/08</b></p> <p><b>Continue to monitor the area. Permanently stabilize the area when feasible. 5/29/08</b></p>	<p><b>Continue to monitor, needs attention when feasible.</b></p> <p><b>NA at this time.</b></p> <p><b>NA at this time.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in this work area. 5/29/08</b></p>	<p><b>None. 5/29/08</b></p>	<p><b>NA</b></p>
<p><b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b></p>	<p><b>Shrubs were removed from the west side of the river near sta. #234+50 as per the D&amp;M Plan. Additional shrubs were recently removed and the area was seeded. The work did not appear to be project related and assumed to be performed by the property owner. 5/29/08</b></p> <p><b>On the west side of the Saugatuck River, the area has vegetated and is stable with adequate cover. 5/29/08</b></p>	<p><b>When work is completed, restore the area as indicated in the D&amp;M plan or coordinate with the property owner to reach an agreement regarding final restoration responsibilities. 5/29/08</b></p> <p><b>Continue to monitor remaining areas for final cover. 5/29/08</b></p>	<p><b>NA at this time.</b></p> <p><b>Area is stable with adequate cover.</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering activities were not observed during this week's inspection. 5/29/08</b></p>	<p><b>Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&amp;M. 5/29/08</b></p>	<p><b>NA</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Blasting</b>	<b>No blasting has been proposed. 5/29/08</b>	<b>None 5/29/08</b>	<b>NA</b>
<b>Spills and Material Storage</b>	<b>Reserve spill cleanup materials/kits were observed in the staging areas where active work was ongoing. 5/29/08</b>	<b>Continue to bring spill kits to active work sites. 5/29/08</b>	<b>NA</b>
<b>Metro North R.R. - Milford</b>	<b>The soil stockpile located adjacent to the staging area and outside of the limits of perimeter controls (since 4/24) has been removed. 5/29/08</b>	<b>None at this time. 5/29/08</b>	<b>The stockpile has been removed.</b>
	<b>A minor amount of residual drilling slurry was observed near the bridge foundation in the south staging area. 5/29/08</b>	<b>Remove and properly dispose of residual slurry material. 5/29/08</b>	<b>Needs attention.</b>
<b>Additional Observations</b>	<b>None. 5/29/08</b>	<b>None. 5/29/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Friday June 6, 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



**Metro North RR: Conduit has been pulled through the second boring and the drill pits have been partially backfilled. Electrical contractors were on site proofing the lines. The catch basin on the north side remains unprotected.**



**The area near the access drive to the boat ramp where the drilling rig was previously located has been partially restored. Hay mulch has been spread to stabilize the area.**



**A minor amount of residual drill slurry was observed near the base of bridge foundation.**