

**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 15, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 0.92” of precipitation was reported since the previous inspection, with 0.81” recorded on 5/9 (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. 5/15/08</b>	<b>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). 5/15/08</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. 5/15/08</b>	<b>Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 5/15/08</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. 5/15/08</b>	<b>Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/15/08</b>	<b>NA</b>
<b>Sasco Creek Bridge Attachment Fairfield/Westport</b>	<b>Crews are working within the bridge travelway to attach the conduit bank to the underside of the bridge deck. 5/15/08</b>	<b>Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/15/08</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>Needs final paving</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. 5/15/08</b></p> <p><b>HDD work at the Housatonic River is complete. However, the conduits on the east side were inadvertently crossed during tie-in work and corrective work was finishing up. 5/15/08</b></p> <p><b>Work on the second boring continues. The drill pit appears adequately sized and drilling fluid was contained. 5/15/08</b></p> <p><b>Work continues on the bridge over Sasco Creek near sta. #434. Conduit sleeves were being installed under the bridge deck. 5/15/08</b></p>	<p><b>pave the west side soon. 3/20-5/15/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 5/15/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. See erosion control section for more details 5/15/08</b></p> <p><b>See Erosion control section. 5/15/08</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. 5/15/08</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. 5/15/08</b></p> <p><b>On the east side, the contractor for segment 4b has restored most of the staging area. 5/15/08</b></p> <p><b>Some of the hay bales on the east side, along the bank of the river were move, allowing (clear) run-off from the corrective work area to bypass controls. 5/15/08</b></p>	<p><b>Prevent dust migration by implementing the dust control measures. 5/15/08</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. 5/15/08</b></p> <p><b>Coordinate final restoration efforts/ responsibilities. Stabilization will be needed on all exposed areas. 5/15/08</b></p> <p><b>Continue to monitor the area and maintain controls to ensure they adequately contain the area. Provide final restoration to the area when feasible. Controls need to be replaced. 5/15/08</b></p>	<p><b>NA at this time.</b></p> <p><b>Grass cover was noted.</b></p> <p><b>Adjacent areas need final paving</b></p> <p><b>Most areas are restored.</b></p> <p><b>Controls need attention.</b></p>

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<p><b>Metro North R.R. – Milford</b></p>	<p>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. 5/15/08</p>	<p>Reinforce controls if necessary and ensure the stone provides adequate containment. Permanently stabilize the area as soon as feasible. 5/15/08</p>	<p>Continue to monitor.</p>
	<p>Hay bales and a filter boom are in place around the staging area on the down gradient side of the staging yard. Silt fence also remains around the temporary access road, which has been cut for access to the boat launch. Hay bales were removed from around a catch basin near the staging area along Naugatuck Ave. and the basin was no longer protected. Work was immediately adjacent 5/15/08</p>	<p>Monitor and maintain sediment and erosion controls. Adjust perimeter controls as necessary to changing field conditions.</p> <p>If hay bales had to be moved to accommodate work, a silt sak should be installed directly within the grate or the contractor needs to clean the catch basin as soon as work is complete. 5/15/08</p>	<p>NA at this time.</p> <p>Catch basin needs attention.</p>
	<p>Sediment tracking was not an issue at Naugatuck Ave. near the temporary boat ramp entrance during this week's inspection. 5/15/08</p>	<p>Sweep roadway as necessary to reduce sediment tracking. 5/15/08</p>	<p>NA at this time.</p>
	<p>Sediment laden runoff/slurry material was previously observed seeping under the hay bale barrier and beyond the fenced perimeter of the work zone in one location. The area was stabilized and additional filter booms were placed in the area. 5/15/08</p>	<p>Continue to contain and remove any material that has migrated beyond the protected limits of the staging area. Adjust perimeter controls as necessary to changing field conditions. 5/15/08</p>	<p>Needs regular attention.</p>
<p><b>Sasco Creek Bridge Attachment Fairfield/Westport</b></p>	<p>Work is occurring in the bridge deck in preparation to attach the conduit bank. 5/15/08</p>	<p>Ensure that controls are in place to catch/contain any debris from falling into the river as indicated in the D&amp;M plan. 5/15/08</p>	<p>Continue to monitor</p>

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<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>The HDD of the Saugatuck River and associated wetlands in Westport is complete. Final restoration efforts continue. 5/15/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 5/15/08</p> <p>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. 5/15/08</p>	<p>None. 5/15/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&amp;M plan 5/15/08</p> <p>Install erosion control measures between the dirt berm and the adjacent resource area if needed. See Erosion and Sediment Controls section for more details. 5/15/08</p>	<p>NA</p> <p>NA</p> <p>Continue to monitor.</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>On the east side of the Saugatuck River, the contractor for segment 4b used the staging area to facilitate vault tie-in work. The area on the east side is being restored. The dirt berm has established grass cover. 5/15/08</p> <p>Restoration efforts are on hold on the east side while the crossed conduits are corrected. 5/15/08</p> <p>Staging areas have been established on both sides of the Metro North R.R. off of Naugatuck Ave. Work continues. 5/15/08</p>	<p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. 5/15/08</p> <p>Contain all material within the established limits of work zone and clean and restore the areas appropriately. See Erosion Control section for more details. 5/15/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 5/15/08</p>	<p>Grass cover noted in restored areas.</p> <p>Continue to monitor.</p> <p>NA</p>
<p><b>Soils</b></p>	<p>Soils are exposed as part</p>	<p>Monitor for dust as</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>of the drill set-up and excavations at each HDD. Drilling slurry (bentonite clay) is used in the process. 5/15/08</p> <p>Drilling pit area on the west Side of the Saugatuck River is awaiting pavement. 5/15/08</p> <p>The work area on the east side of the Housatonic River is being re-excavated to correct the inadvertently crossed conduits. 5/15/08</p>	<p>previously indicated. See the Spills and Material Storage section. 5/15/08</p> <p>The west side has been backfilled without the final surface treatment for a number of weeks. 5/15/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible 5/15/08</p>	<p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</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. 5/15/08</p>	<p>None. 5/15/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&amp;M Plan. Additional shrubs were recently removed from this area and the work did not appear to be project related. 5/15/08</p> <p>On the west side of the Saugatuck River, vegetation continues to grow the park adjacent to the river. The area is approximately 75% vegetated. Grass growth was also noted in the restored portion of the drill pit area. 5/15/08</p>	<p>When work is completed, restore the area as indicated in the D&amp;M plan. Coordinate restoration efforts with the property owner. 5/15/08</p> <p>At 75% this area can be considered stable. 5/15/08</p>	<p>NA at this time.</p> <p>Grass cover was increasing.</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed during this week's inspection. 5/15/08</p>	<p>Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&amp;M. 5/15/08</p>	<p>NA</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. 5/15/08</b>	<b>None 5/15/08</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 5/15/08</b>	<b>Continue to bring spill kits to active work sites. 5/15/08</b>	<b>NA</b>
<b>Metro North R.R. - Milford</b>	<b>A minor amount of slurry material was observed along the perimeter of the staging area, but was being retained by the haybale barrier (since 4/10). Additional controls were added, however, a small amount material was seeping under the barrier in the north staging area. The material has since been cleaned and/or washed away. 5/15/08</b>	<b>Remove accumulated slurry material. Use caution to prevent future sills/ accumulations. Adjust controls as necessary. 5/15/08</b>	<b>The slurry material appeared to have been cleaned and/or washed away.</b>
	<b>A soil stockpile is located adjacent to the staging area at the new access drive and is located outside of the limits of the perimeter controls 4/24- 5/15/08</b>	<b>Provide adequate containment around temporary soil stockpiles. 4/24- 5/15/08</b>	<b>Needs attention.</b>
<b>Additional Observations</b>	<b>None. 5/15/08</b>	<b>None. 5/15/08</b>	<b>NA</b>

**Next likely scheduled inspection:**

Thursday May 22, 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



**Vegetation is beginning to grow on the restored portions on the west side of the Saugatuck River near sta. #234. Adjacent areas are still waiting to be paved.**



**HDD work continues at the Metro North Railroad crossing in Milford. A sand bag berm remains around the drill pit and the area is well contained.**



**A minor amount of slurry material has accumulated along the perimeter of the staging area. Controls have been reinforced with sandbags and additional filter booms. Sweep sediment as needed.**



**Catch basin adjacent to the drilling pit along Naugatuck Ave. was previously protected, but the hay bales were removed from the basin. Either install controls directly within the grate or vacuum the basin following the active work.**



**Work continues on the bridge crossing over Sasco Creek near sta. #434 as conduit sleeves were being installed under the bridge deck.**