

**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:** June 6, 2008

**Inspector:** Gregory Sommer

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

**Rain Event:** 1.12” of precipitation was reported since the previous inspection, with 1.06” recorded on 6/4 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways Saugatuck River	The staging area on the east side of the Saugatuck River has been restored. On the west side, the backfilled area is waiting for pavement and vehicles are tracking sediment on Lincoln St. 6/6/08	Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. The area has been waiting for pavement since 3/20. 6/6/08	Needs attention.
Housatonic River	HDD work is complete. The tie-in correction work on the east side is still finishing up. 6/6/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 6/6/08	Not Applicable (NA)
Metro North R.R. - Milford	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. 6/6/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 6/6/08	NA
Sasco Creek Bridge Attachment Fairfield/Westport	Work to attach the conduit bank to the underside of the bridge deck appears to be complete. 6/6/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 6/6/08	NA at this time
Vault Openings and	HDD work on the	Monitor and maintain	West side needs

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Trench Construction Saugatuck River</b></p> <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>Saugatuck River is complete. Areas are still undergoing final restoration/ surface treatment. 6/6/08</b></p> <p><b>HDD work at the Housatonic River is complete. Final restoration/ surface treatment is required on the east side. 6/6/08</b></p> <p><b>HDD work at the Metro North R.R. is complete. Final restoration will be performed once tie-in work has been completed. 6/6/08</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. 6/6/08</b></p>	<p><b>sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-6/6/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 6/6/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. See erosion control section. 6/6/08</b></p> <p><b>Monitor and maintain sediment and erosion controls. 6/6/08</b></p>	<p><b>attention/final paving</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. 6/6/08</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). Vehicles have driven over the area and sediment tracking was observed along Lincoln St. and in the adjacent parking lot. 6/6/08</b></p> <p><b>Hay bales were replaced along the bank of the river on the east side. 6/6/08</b></p>	<p><b>Prevent dust migration by implementing the dust control measures. 6/6/08</b></p> <p><b>Continue to monitor until the area is stabilized with vegetative cover. Remaining hard-pack area needs to be paved. Continue to sweep the roadway as necessary. 6/6/08</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. 6/6/08</b></p>	<p><b>NA at this time.</b></p> <p><b>Needs attention.</b></p> <p><b>Monitor the area and perform final restoration when work is complete.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Metro North R.R. - Milford</b></p>	<p><b>On the east side the berm along the south side of the staging area has vegetated and is stable. In the same general area, a small channel remains lined with crushed stone to contain sediment. 6/6/08</b></p>	<p><b>Continue to monitor the area. Add controls if necessary. 6/6/08</b></p>	<p><b>The berm is vegetated and stable.</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 remains restored and temporarily stabilized with hay mulch. 6/6/08</b></p>	<p><b>Continue restoration efforts. Remove temporary access road when access to the boat ramp is restored. 6/6/08</b></p>	<p><b>Needs attention when feasible.</b></p>
	<p><b>Hay bales remain in place in one location to contain any potential residual slurry material. A minor amount of drilling slurry has seeped under the hay bale barrier. 6/6/08</b></p>	<p><b>Increase controls as necessary to contain drilling slurry. Stabilize or remove the material as soon as possible. 6/6/08</b></p>	<p><b>Needs attention.</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. 5/29-6/6/08</b></p> <p><b>Work to attach the conduit bank to the bridge deck appears to have been completed. 6/6/08</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. 5/15-6/6/08</b></p> <p><b>Remove accumulated sediment from the roadway. 6/6/08</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. 6/6/08</b></p>	<p><b>Needs attention.</b></p> <p><b>Continue to monitor.</b></p>
<p><b>Inland Wetland and Watercourse</b></p>	<p><b>The HDD of the Saugatuck River and</b></p>	<p><b>None. 6/6/08</b></p>	<p><b>NA</b></p>

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<p><b>encroachment and mitigation</b></p>	<p>associated wetlands in Westport is complete. Final restoration efforts continue. 6/6/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 6/6/08</p> <p>On the east side of the Housatonic River, the berm along the south side of the staging area has vegetated and is stable. 6/6/08</p>	<p>The drill work was completed well with the approved monitoring plan provided in the D&amp;M plan 6/6/08</p> <p>See Erosion and Sediment Controls section for more details. 6/6/08</p>	<p>NA</p> <p>The berm is vegetated and stable.</p>
<p><b>Staging, Storage, and Parking Areas Housatonic River</b></p> <p><b>Metro North R.R. - Milford</b></p>	<p>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. 6/6/08</p> <p>Equipment has been demobilized from the south side of the Metro North R.R. work off of Naugatuck Ave. Restoration is still scheduled for after the tie-in work. HDD work is complete. 6/6/08</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. 6/6/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 6/6/08</p>	<p>Continue to monitor.</p> <p>NA</p>
<p><b>Soils</b></p> <p><b>Saugatuck River</b></p> <p><b>Housatonic River</b></p>	<p>Soils are exposed as part of the drill set-up and excavations at each HDD. Drilling slurry (bentonite clay) is used in the process. 6/6/08</p> <p>Staging area on the west side is awaiting pavement (since 3/20). 6/6/08</p> <p>The work area on the east</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 6/6/08</p> <p>The west side has been backfilled without the final surface treatment for a number of months (since 3/20). 6/6/08</p> <p>Continue to monitor the</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</p>

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<b>Metro North R.R. - Milford</b>	<p>side has since been backfilled. 6/6/08</p> <p>The staging area on the south side has been partially restored. Hay mulch has been spread to stabilize areas of exposed soil. 6/6/08</p>	<p>area. Stabilize the surface as soon as feasible 6/6/08</p> <p>Continue to monitor the area. Permanently stabilize the area when feasible. 6/6/08</p>	NA at this time.
<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. 6/6/08	None. 6/6/08	NA
<b>Vegetative clearing (including trees to save or danger trees noted) or stabilization</b>	<p>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. 6/6/08</p> <p>Portions of the south side staging area of the Metro North RR dig have been restored. The remainder is waiting for tie-in work. 6/6/08</p>	<p>Restoration efforts appear to be coordinated between the contractor and the property owner. 6/6/08</p> <p>Continue to monitor remaining areas for final cover. Ensure all sediment is contained until restoration. 6/6/08</p>	<p>NA at this time.</p> <p>Continue to monitor.</p>
<b>Dewatering</b>	Dewatering activities were not observed during this week's inspection. 6/6/08	Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 6/6/08	NA
<b>Blasting</b>	No blasting has been proposed. 6/6/08	None 6/6/08	NA
<b>Spills and Material Storage</b>	Reserve spill cleanup materials/kits were observed in the staging areas where active work was ongoing. 6/6/08	Continue to bring spill kits to active work sites. 6/6/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Metro North R.R. - Milford</b>	<b>A minor amount of residual drilling slurry was observed near the bridge foundation in the south staging area. 5/29-6/6/08 Slurry was also seeping under a haybale check dam 6/6/08</b>	<b>Remove and properly dispose of residual slurry material. 5/29-6/6/08</b>	<b>Needs attention.</b>
<b>Additional Observations</b>	<b>None. 6/6/08</b>	<b>None. 6/6/08</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday June 12, 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



**Vehicles are traveling through the exposed soil near sta. #234 and tracking sediment onto Lincoln St.**



**Sediment is accumulating along the edge of Naugatuck Ave. near the concrete barrier curb. The catch basin adjacent to the work remains unprotected.**



**The drilling pit on the south side has been partially backfilled and stabilized and all drilling equipment has been removed from the area. Hay bales remain in place in one location to contain any potential residual material. A minor amount of drilling slurry has seeped under the hay bale barrier.**

