

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 20, 2008

Inspector: Gregory Sommer

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

Rain Event: 1.97" of precipitation was reported since the previous inspection, with the largest events of 0.72" and 0.67" recorded on 6/16 and 6/18 respectively (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways Saugatuck River	On the west side of the Saugatuck River, the backfilled area is still waiting for pavement. The curbing has been installed but materials were eroding from the graded area. 6/20/08	Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. The area has been waiting for pavement since 3/20. 6/20/08	Needs attention.
Housatonic River	HDD work is complete. The east side is ready to be paved. 6/20/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 6/20/08	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. 6/20/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 6/20/08	NA
Vault Openings and Trench Construction Saugatuck River	HDD work on the Saugatuck River is complete. Areas are still undergoing final restoration/ surface treatment. 6/20/08	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-6/20/08	West side needs attention/final paving
Housatonic River	HDD work at the	Monitor and maintain sediment and erosion	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Metro North R.R. - Milford</p> <p>Sasco Creek Bridge Attachment Fairfield/Westport (This area represents the intersection between Segments 4A and 4B).</p> <p>Mill River (Southport Harbor) Bridge Attachment Fairfield</p>	<p>Housatonic River is complete. Final restoration/ surface treatment is required on the east side. 6/20/08</p> <p>The circuits have been tied in on the north side of the Metro North R.R and the drill pit is partially backfilled. Trenching work continues on the south side. Final restoration will be performed once tie-in work has been completed. 6/20/08</p> <p>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. 6/20/08</p> <p>Work to attach the conduit bank to the underside of the bridge deck continues. 6/20/08</p>	<p>sediment and erosion controls. Provide final surface stabilization ASAP 6/20/08</p> <p>Monitor and maintain sediment and erosion controls. 6/20/08</p> <p>Monitor and maintain sediment and erosion controls. 6/20/08</p> <p>Monitor and maintain sediment and erosion controls. 6/20/08</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls</p> <p>Saugatuck River</p> <p>Housatonic River</p>	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 6/20/08</p> <p>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). Stone curbing has been set and the area near the curbing was re-graded. Some of this material has eroded and accumulated at the intersection of Lincoln St. and Riverside Ave. 6/20/08</p> <p>Hay bales have been</p>	<p>Prevent dust migration by implementing the dust control measures. 6/20/08</p> <p>Continue to monitor until final restoration is complete. Remaining hard-pack area needs to be paved. Restore controls if needed until this occurs. Continue to sweep the roadway as necessary. 6/20/08</p> <p>Continue to monitor the</p>	<p>NA at this time.</p> <p>Needs attention.</p> <p>Needs final surface</p>

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<p>Metro North R.R. - Milford</p>	<p>removed from along the bank of the Housatonic River near sta. #1015. Final restoration/ surface treatment is required on the east side especially as this area may be susceptible to inundation. The surface is waiting to be paved. 6/20/08</p>	<p>area for run-off and erosion until work is complete and the area has been permanently stabilized. Install new controls if conditions change. Provide final surface stabilization ASAP. 6/20/08</p>	<p>stabilization.</p>
	<p>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. 6/20/08</p>	<p>Continue to monitor the area. Add controls if necessary. 6/20/08</p>	<p>Continue to monitor</p>
	<p>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 provided access to the boat launch. Hay bales remain in one location near the drill pit where a minor amount of groundwater continues to seep under the barrier. The runoff was generally clean and was flowing back towards the adjacent trench work. 6/20/08</p>	<p>Continue restoration efforts. Remove temporary access road when access to the boat ramp is restored. Increase controls as necessary to contain/filter groundwater seeping out of the partially backfilled drilling pit. Sweep residual dust from adjacent roads. 6/20/08</p>	<p>Continue to monitor.</p>
	<p>Hay bales were removed from around a catch basin near the staging area along Naugatuck Ave. (since 5/15) but a filter boom was in place near the concrete barrier curb. 6/20/08</p>	<p>Continue to monitor. Increase controls as necessary. The catch basin may need to be cleaned once work is complete. Continue to sweep roadway as necessary. 6/20/08</p>	<p>Continue to monitor.</p>
<p>Sasco Creek Bridge Attachment Fairfield/Westport</p>	<p>Work to attach the conduit bank to the bridge deck appears to have been completed.</p>	<p>Ensure that controls are in place to catch/contain any debris from falling into the river as indicated in the D&M</p>	<p>Continue to monitor.</p>

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<p>Mill River (Southport Harbor) Bridge Attachment Fairfield</p>	<p>6/20/08 Work to attach the conduit bank to the bridge deck continues. 6/20/08</p>	<p>plan. 6/20/08 Ensure that controls are in place to catch/contain any debris from falling into the river as indicated in the D&M plan. 6/20/08</p>	<p>Continue to monitor.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The HDD of the Saugatuck River and associated wetlands in Westport is complete. Final restoration efforts continue. 6/20/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration efforts continue. 6/20/08</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. 6/20/08</p>	<p>None. 6/20/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 6/20/08</p> <p>See Erosion and Sediment Controls section for more details. 6/20/08</p>	<p>NA</p> <p>NA</p> <p>Continue to monitor.</p>
<p>Staging, Storage, and Parking Areas Housatonic River</p> <p>Metro North R.R. - Milford</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. 6/20/08</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. 6/20/08</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 6/20/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 6/20/08</p>	<p>Continue to monitor.</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the drill set-up and excavations at each HDD. Drilling slurry (bentonite</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 6/20/08</p>	<p>NA</p>

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<p>Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>clay) is used in the process. 6/20/08</p> <p>Staging area on the west side is awaiting pavement. (since 3/20). 6/20/08</p> <p>The work area on the east side is backfilled with stone and processed material and is ready to be paved. 6/20/08</p> <p>The staging area on the south side has been partially restored. Hay mulch has been spread to stabilize areas of exposed soil. 6/20/08</p>	<p>The west side has been backfilled without the final surface treatment for a number of months (since 3/20). 6/20/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible 6/20/08</p> <p>Continue to monitor the area. Permanently stabilize the area within timelines. 6/20/08</p>	<p>Continue to monitor, needs attention.</p> <p>NA at this time.</p> <p>NA at this time.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area. 6/20/08</p>	<p>None. 6/20/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</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. 6/20/08</p>	<p>Continue to monitor remaining areas for final cover. Ensure all sediment is contained until restoration. 6/20/08</p>	<p>Continue to monitor</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed during this week's inspection. 6/20/08</p>	<p>Continue to ensure that material is contained appropriately and treated according to the ground-water handling plan as referenced in the D&M. 6/20/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 6/20/08</p>	<p>None 6/20/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Reserve spill cleanup materials/kits were observed in the staging areas where active work was ongoing. 6/20/08</p>	<p>Continue to bring spill kits to active work sites. 6/20/08</p>	<p>NA</p>

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Metro North R.R. - Milford	A minor amount of residual drilling slurry was previously observed near the bridge foundation in the south staging area. Material appears to have been removed or have been washed away. 6/20/08	None. 6/20/08	Material appears to have been removed or have been washed away.
Additional Observations	None. 6/20/08	None. 6/20/08	NA

Next likely scheduled inspection: Friday June 27, 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



Tie-in work for both circuits has been completed on the north side of the Metro North R.R. Crossing. The drilling pit has been partially backfilled.



The staging area on the south side of the Metro North R.R. Crossing has been demobilized and the perimeter controls have been removed. Hay bales remain in one location near the drill pit where a minor amount groundwater was observed seeping under the barrier. The runoff was generally clean and was flowing back towards the adjacent trench work.



Stone curbing has been set near sta. #234. The adjacent areas have been partially re-graded and some of the material had eroded and accumulated at the intersection of Lincoln St. and Riverside Ave. Sweep this area as needed.

