

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 8, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.27” of precipitation was reported since the previous inspection, with 0.20” of the total recorded on 5/2(Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways Saugatuck River	On the east side of the Saugatuck River, the contractor for segment 4b continue to restore the staging area. The bituminous curb near the access driveway on the west side that was previously damaged by heavy truck traffic has been replaced. 5/8/08	Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). 5/8/08	Damaged curbing was replaced.
Housatonic River	HDD work is complete. The area on the east side has been backfilled and is awaiting pavement. However, a correction is being made to the tie-in work first. 5/8/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 5/8/08	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. 5/8/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/8/08	NA
Sasco Creek Bridge Attachment Fairfield/Westport	Crews are working within the bridge travelway to attach the conduit bank	Continue to monitor for tracking. See Erosion and Sediment Control section	NA at this time.

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	to the underside of the bridge deck. 5/8/08	for more details. 5/8/08	
Vault Openings and Trench Construction Saugatuck River	HDD work on the Saugatuck River is complete. Areas are still awaiting final restoration/ surface treatment. 5/8/08	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-5/8/08	Needs final paving
Housatonic River	HDD work at the Housatonic River is complete. However, the conduits on the east side were inadvertently crossed during tie-in work and were being corrected. 5/8/08	Monitor and maintain sediment and erosion controls. 5/8/08	NA
Metro North R.R. - Milford	Work continues on the borings. Work on the second boring was temporarily on hold as crews waited for a larger rig. The drill pit appears adequately sized and drilling fluid was contained. 5/8/08	Monitor and maintain sediment and erosion controls. 5/8/08 See erosion control section for more details. 5/8/08	NA
Sasco Creek Bridge Attachment Fairfield/Westport (This area represents the intersection between Segments 4A and 4B).	Work continues on both sides of the bridge over Sasco Creek near sta. #435 in preparation for hanging the conduit bank from the bridge deck. 5/8/08	See Erosion control section. 5/8/08	NA
Erosion and Sediment Controls	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 5/8/08	Prevent dust migration by implementing the dust control measures. 5/8/08	NA at this time.
Saugatuck River	On the west side, the drill pit remains backfilled with topsoil spread over a portion of the area. The adjacent area is waiting to be paved. Hay bales were being removed from along Riverside Dr. 5/8/08	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. 5/8/08	Continue to monitor. Needs final paving

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Housatonic River	<p>On the east side, the contractor for segment 4b has partially restored the staging area. 5/8/08</p>	<p>Coordinate final restoration efforts/ responsibilities. Restore site to pre-construction conditions (gravel parking area). Stabilization will be needed on all exposed areas. 4/3-5/8/08</p>	<p>Needs final restoration when work is complete.</p>
	<p>Hay bales remain in place on the east side of the Housatonic River; along the bank. 5/8/08</p>	<p>Continue to monitor the area and maintain controls to ensure they adequately contain the area. Provide final restoration to the area when feasible. 5/8/08</p>	<p>Needs to be monitored and needs final restoration when work is complete.</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. 5/8/08</p>	<p>Reinforce controls if necessary and ensure the stone provides adequate containment. Permanently stabilize the area as soon as feasible. 5/8/08</p>	<p>Continue to monitor.</p>
Metro North R.R. - Milford	<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 remain around the catch basin near the staging area along Naugatuck Ave. 5/8/08</p>	<p>Monitor and maintain sediment and erosion controls. Continue to protect catch basin that is adjacent to drilling work along Naugatuck Ave. Adjust controls as field conditions change. 5/8/08</p> <p>See spills and material section for details on a stockpile here. 5/1-5/8/08</p>	<p>NA at this time.</p>
	<p>Sediment tracking was not an issue at Naugatuck Ave. near the temporary boat ramp entrance during this week's inspection. 5/8/08</p>	<p>Sweep roadway as necessary to reduce sediment tracking. 5/8/08</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</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.</p>	<p>The area was stabilized and additional filter booms were placed in the area. Needs regular attention.</p>

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<p>Sasco Creek Bridge Attachment Fairfield/Westport</p>	<p>location. The area was stabilized and additional filter booms were placed in the area. A small amount of slurry was still noted. 5/8/08</p> <p>Work is occurring in the bridge deck in preparation to attach the conduit bank. 5/8/08</p>	<p>5/8/08</p> <p>Ensure that controls are in place to catch/contain any debris from falling into the river as indicated in the D&M plan. 5/8/08</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. 5/8/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 5/8/08</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. 5/8/08</p>	<p>None. 5/8/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 5/8/08</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. 5/8/08</p>	<p>NA</p> <p>NA</p> <p>Continue to monitor.</p>
<p>Staging, Storage, and Parking Areas Saugatuck River</p> <p>Housatonic River</p>	<p>Staging areas on both sides of the Saugatuck River were used by the contractor for segment 4b to facilitate vault tie-in work. The area on the east side is being restored. The dirt berm has established grass cover. 5/8/08</p> <p>The work area on the west side of the Housatonic River has been re-paved,</p>	<p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). Final restoration is underway. 5/8/08</p> <p>Contain all material within the established limits of work zone and clean and</p>	<p>Continue to restore.</p> <p>The small unpaved area was finalized with curbing</p>

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Metro North R.R. - Milford	<p>and the new curbing was installed around the small unpaved area which remains backfilled with process material. Restoration efforts are on hold on the east side while the crossed conduits are corrected. 5/8/08</p> <p>Staging areas have been established on both sides of the Metro North R.R. off of Naugatuck Ave. HDD work continues. 5/8/08</p>	<p>restore the areas appropriately. See Erosion Control section for more details. 5/8/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 5/8/08</p>	NA
Soils	<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. 5/8/08</p> <p>Drilling pits have been backfilled with processed material on the east side of the Saugatuck River and are awaiting pavement on the west side. 5/8/08</p> <p>The work area on the east side of the Housatonic River is being re-excavated to correct the inadvertently crossed conduits. 5/8/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 5/8/08</p> <p>Continue to stabilize the surface and permanently restore the area as soon as feasible. (west side has been backfilled without the final surface treatment for a number of weeks.) 5/8/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible. 5/8/08</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area 5/8/08	None. 5/8/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. Additional shrubs were recently removed from this area and	When work is completed, restore the area as indicated in the D&M plan. Coordinate restoration efforts with the property owner. 5/8/08	NA at this time.

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	<p>the work did not appear to be project related. 5/8/08</p> <p>On the west side of the Saugatuck River, grass/vegetation is beginning to grow the park adjacent to the river. The area is approximately 70% vegetated. 5/8/08</p>	<p>Continue to monitor and provide final restoration measures in adjacent areas. 5/8/08</p>	<p>Good grass growth was noted in the park.</p>
Dewatering	<p>Dewatering activities were not observed during this week's inspection. 5/8/08</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. 5/8/08</p>	<p>NA</p>
Blasting	<p>No blasting has been proposed. 5/8/08</p>	<p>None 5/8/08</p>	<p>NA</p>
<p>Spills and Material Storage</p> <p>Metro North R.R. - Milford</p>	<p>Reserve spill cleanup materials/kits were observed in the staging areas where active work was ongoing. 5/8/08</p> <p>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. 5/8/08</p> <p>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- 5/8/08</p>	<p>Continue to bring spill kits to active work sites. 5/8/08</p> <p>Remove accumulated slurry material. Use caution to prevent future sills/accumulations. Adjust controls as necessary. 5/8/08</p> <p>Provide adequate containment around temporary soil stockpiles. 4/24- 5/8/08</p>	<p>NA</p> <p>Additional controls were added but needs regular attention.</p> <p>Needs attention.</p>
Additional Observations	<p>The small section of damaged curbing has been replaced near the corner of the staging are</p>	<p>None. 5/8/08</p>	<p>Damaged curbing has been replaced.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	on the west side of the Housatonic River where the drill pit was located. 5/8/08		

Next likely scheduled inspection: Thursday May 15, 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: Work was temporarily on hold as crews were awaiting a larger drilling rig. The catch basin adjacent to the drilling pit along Naugatuck Avenue remains protected. A minor amount of drilling slurry was observed on the roadway. The staging area on the south side remains well contained.



HDD work at the Housatonic River is complete. Damaged curbing has been replaced on the west side of the River, completing the restoration work on this side.



The work area on the west side of the Saugatuck River remains mulched. The area was seeded a few weeks ago.



Work continues on both sides of the bridge over Sasco Creek near sta. #435 in preparation for hanging the conduit bank from the bridge deck. (This area represents the intersection between Segments 4A and 4B).