

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 1, 2008

Inspector: Gregory Sommer

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

Rain Event: 1.89” of precipitation was reported since the previous inspection, with 1.62” of the total recorded on 4/28 (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 has been damaged by heavy truck traffic (since 1/24). 5/1/08	Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). Repair damaged curbing when work is complete. 5/1/08	Continue to monitor.
Housatonic River	HDD work is complete. The area on the east side has been backfilled and is awaiting pavement. However, a correction needs to be made on the tie-in work first. 5/1/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 5/1/08	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. 5/1/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 5/1/08	NA
Vault Openings and Trench Construction Saugatuck River	HDD work on the Saugatuck River is complete. Areas are still awaiting final restoration/ surface treatment 5/1/08	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-5/1/08	Needs final paving

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<p>Metro North R.R. - Milford</p>	<p>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. Accumulated sediment that previously migrated behind the hay bale barrier appears to have been removed and/ or washed away. 5/1/08</p>	<p>stone provides adequate containment. Permanently stabilize the area as soon as feasible. 5/1/08</p>	<p>have been removed and/or washed away.</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 have been placed around the previously unprotected catch basin near the staging area along Naugatuck Ave. 5/1/08</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. 4/24/08</p> <p>See spills and material section for details on a stockpile here. 5/1/08</p>	<p>Controls have been placed around the catch basin.</p>
	<p>Tracking was not an issue at Naugatuck Ave. near the temporary boat ramp entrance during this week's inspection. 5/1/08</p>	<p>Continue to sweep roadway as necessary to reduce sediment tracking. 5/1/08</p>	<p>NA at this time.</p>
	<p>Sediment laden runoff/slurry material was observed seeping under the hay bale barrier and beyond the fenced perimeter of the work zone in one location. 5/1/08</p>	<p>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 and provide adequate capacity and containment for this material. 5/1/08</p>	<p>Needs attention.</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. 5/1/08</p>	<p>None. 5/1/08</p>	<p>NA</p>

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	<p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 5/1/08</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. Minor sediment migration was previously noted beyond an existing haybale barrier in this general area (since 3/6) but material was no longer noted. 5/1/08</p>	<p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 5/1/08</p> <p>Install erosion control measures between the dirt berm and the adjacent resource area if needed. See Erosion and Sedimentation Controls section for more details. 5/1/08</p>	<p>NA</p> <p>Sediment was no longer observed.</p>
<p>Staging, Storage, and Parking Areas Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</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 is beginning to grow grass. 5/1/08</p> <p>The work area on the west side of the Housatonic River has been re-paved, except for a minor area which remains backfilled with processed material. Restoration is ongoing to the east of the River within a paved access area. 5/1/08</p> <p>Staging areas have been established on both sides of the Metro North R.R. off of Naugatuck Ave. HDD work continues. 5/1/08</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. The berm will need controls until the seed has a chance to stabilize the area. 5/1/08</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. 5/1/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more</p>	<p>Additional restoration efforts still needed.</p> <p>Continue to monitor.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		details. 5/1/08	
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. 5/1/08</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. 5/1/08</p> <p>On the west side of the Saugatuck River, the previously restored work area in the park adjacent to the river is beginning to grow grass. 5/1/08</p> <p>The work area on the east side of the Housatonic River is awaiting pavement. 5/1/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 5/1/08</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.) 5/1/08</p> <p>Continue to monitor for final stabilization. 5/1/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible. 5/1/08</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>Some grass growth was noted.</p> <p>NA</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 5/1/08	None. 5/1/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>Although not marked on the D&M, the row of hedges/shrubs that was removed (9/18/07) from the west side of the river near sta. #235+75, have been replaced. 5/1/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 5/1/08</p>	<p>Monitor the plantings for success. 5/1/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 5/1/08</p>	<p>New shrubs have been planted in this area.</p> <p>NA at this time.</p>
Dewatering	Dewatering activities were not observed during this week's inspection. 5/1/08	Continue to ensure that material is contained appropriately and treated according to the ground-	NA

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		water handling plan as referenced in the D&M. 5/1/08	
Blasting	No blasting has been proposed. 5/1/08	None 5/1/08	NA
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the staging areas where active work was ongoing. 5/1/08	Continue to bring spill kits to active work sites. 5/1/08	NA
Metro North R.R. - Milford	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). However, material was seeping under the barrier in another location. 5/1/08	Remove accumulated slurry material. Use caution to prevent spills/accumulations. Adjust controls as necessary. Attend to the uncontained material. 5/1/08	Needs attention.
	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 4/24-5/1/08	Provide adequate containment around temporary soil stockpiles. 4/24-5/1/08	Needs attention.
Additional Observations	A small section of curbing has been damaged near the corner of the staging area on the west side of the Housatonic River where the drill pit was located. 4/17-5/1/08	Restore damaged section of curbing to pre-construction conditions. 4/17-5/1/08	Needs attention during restoration

Next likely scheduled inspection:

Thursday May 8, 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



HDD work continues along Naugatuck Ave. The adjacent catch basin has been protected with hay bales and filter booms.



Sediment laden runoff/ slurry material was observed seeping under the hay bale barrier and beyond the fenced perimeter of the work zone in one location. Adequately control this material.



HDD work at the Housatonic River is complete. The drill pits have been backfilled and the west side has been paved. The conduits on the east side were inadvertently crossed during tie-in work and need to be partially excavated and corrected.



Shrubs previously removed the west side of the river near sta. #235+75 (not per the D&M) have been replaced. Hay bales were also being removed from along Riverside Dr. Continue to monitor until vegetative cover has establish in previously exposed areas.