

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: April 17, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.32” of precipitation was reported since the previous inspection with 0.26” recorded on 4/12 (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). 4/17/08	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. 4/17/08	Continue to monitor.
Housatonic River	HDD work is complete. Fencing remains around the drill pits on the east side of the River. The area on the west side has been paved. 4/17/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 4/17/08	The drill pit on the west side was paved.
Metro North R.R. - Milford	Staging area has been established on the 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. 4/17/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 4/17/08	Needs regular attention.
Vault Openings and Trench Construction Saugatuck River	HDD work on the Saugatuck River is complete. The drill pits have been backfilled on the east side and the west side has been partially	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-4/17/08	Not Applicable (NA)

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Metro North R.R. - Milford</p>	<p>On the east side of the river, the drilling pits have been partially backfilled. Some of the deteriorated hay bales along the bank of the Housatonic River have been replaced and/ or reset. 4/17/08</p> <p>On the east side of the Housatonic River, the dirt berm located adjacent to a resource area on the western side of the staging area remains mulched. However, in the same general area, a small channel has eroded. Hay bales were in place and contained most of the sediment. most of the sediment but a minor amount migrated beyond the barrier and towards the resource area. 3/6-4/17/08 Debris has also accumulated in this area 4/17/08</p>	<p>Continue to monitor the area. Maintain controls as necessary. Provide final restoration to the area. 4/17/08</p> <p>Reinforce controls if necessary. Permanently stabilize the area as soon as feasible. Remove accumulated sediment from behind the haybale barrier, before it enters the adjacent resource area. 3/6-4/17/08</p> <p>Remove the debris to prevent unnecessary impacts. 4/17/08</p>	<p>Deteriorated hay bales have been replaced and/ or reset.</p> <p>Needs attention.</p>
	<p>Haybales 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. A catch basin near the staging area along Naugatuck Ave. was not protected. 3/28-4/17/08 Some residual slurry was noted along the curb line here. 4/17/08</p>	<p>Monitor and maintain sediment and erosion controls. Protect catch basin that is adjacent to drilling work along Naugatuck Ave. Adjust controls as field conditions change. 3/28-4/17/08</p> <p>Sweep slurry/sediment as needed. 4/17/08</p>	<p>Catch basin and slurry need 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. 4/17/08</p>	<p>None. 4/17/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 4/17/08</p> <p>On the east side of the Housatonic River, the berm along the west 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 noted beyond an existing haybale barrier in this general area. 3/6-4/17/08</p>	<p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 4/17/08</p> <p>Install erosion control measures between the dirt berm and the adjacent resource area if needed. Reinforce the controls in the area of sedimentation. See Erosion and Sedimentation Controls section for more details. 3/6-4/17/08</p>	<p>NA</p> <p>Additional controls appear to be needed.</p>
<p>Staging, Storage, and Parking Areas Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>A staging area remains on either side of the Saugatuck River and was used by the contractor for segment 4b to facilitate vault tie-in work. The area on the east side is being restored. A dirt berm has been regarded and seeded and is starting to grow grass. 4/17/08</p> <p>The work area within the paved parking lot the west side of the Housatonic River has been re-paved. A drill pit remains to the east of the River within a paved access area. 4/17/08</p> <p>Staging area has been established on the south side of the Metro North R.R. off of Naugatuck Ave. HDD work temporarily on hold. 4/17/08</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. 4/17/08</p> <p>Contain all material within the established limits of work zone and clean and restore the areas appropriately. See erosion control and spills/ material storage sections for more details. 4/17/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 4/17/08</p>	<p>Additional restoration efforts still needed.</p> <p>Continue to monitor.</p> <p>NA</p>
<p>Soils</p>	<p>Soils are exposed as part of the drill set-up and</p>	<p>Monitor for dust as previously indicated.</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>excavations at each HDD. Drilling slurry (bentonite clay) is used in the process. 4/17/08</p> <p>Drilling pits have been backfilled with processed material on the east side of the Saugatuck River and have been partially backfilled on the west side. 4/17/08</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. 4/17/08</p> <p>Drilling is complete at the Housatonic River. The drilling pit on the west side has been paved. 4/17/08</p>	<p>See the Spills and Material Storage section. 4/17/08</p> <p>Continue to stabilize the surface in this work area. 4/17/08</p> <p>Continue to monitor for final stabilization. 4/17/08</p> <p>Provide any final clean-up 4/17/08</p>	<p>Continue to monitor, needs attention when feasible.</p> <p>Some grass growth was noted.</p> <p>NA</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. 4/17/08</p>	<p>None. 4/17/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save or danger trees noted) or stabilization</p>	<p>Although not marked on the D&M, a row of hedges/shrubs was removed (9/18/07) from the west side of the river near sta. #235+75. The contractor states that the property owner removed the shrubs in preparation for the HDD work. 12/5/07-4/17/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 4/17/08</p>	<p>If shrubs were removed by the property owner prior to HDD work, then discuss and reach an agreement with the property owner regarding the final restoration measures. 12/5/07-4/17/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 4/17/08</p>	<p>Contractor states the property owner removed the shrubs. Needs evaluation during restoration.</p> <p>NA at this time.</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed during this week's inspection. 4/17/08</p>	<p>Continue to ensure that material is contained appropriately and treated</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		according to the ground-water handling plan as referenced in the D&M. 4/17/08	
Blasting	No blasting has been proposed. 4/17/08	None 4/17/08	NA
Spills and Material Storage	Reserve spill cleanup materials/kits were observed in the staging area. 4/17/08	Continue to bring spill kits to active work sites. 4/17/08	NA
Housatonic River	On the west side of the Housatonic River a minor amount of remnant mud/slurry was observed on the paved surface in various locations throughout the staging area. 2/21-4/17/08	Sweep area once more now that final paving has been performed. 4/17/08	Needs final clean-up
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. 4/10-4/17/08	Remove accumulated slurry material. Use caution to prevent future sills/accumulations. Adjust controls as necessary. 4/10-4/17/08	Needs attention when feasible.
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. 4/17/08	Restore damaged section of curbing to pre-construction conditions. Ensure soil is currently contained. 4/17/08	Needs attention during restoration.

Next likely scheduled inspection:

Thursday April 17, 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



Conduit has been pulled through the first of two borings at the Metro North Railroad Crossing in Milford and there was no activity at the time of the inspection. A minor amount of slurry material was observed along the curb line along Nauagtick Ave. and the adjacent catch basin was not protected. A small pit has been excavated in the staging area but the material appears to be adequately contained at this time.



On the east side of the Housatonic River, vault tie-in work is nearing completion. Hand holes were being installed before the area is backfilled completely.



Work is complete on the east side of the Saugatuck River near sta #251. The area is partially restored. Wood chips and chain link fencing remain stockpiled in the staging area. A dirt berm was recently re-graded and grass cover is beginning to grow. Controls may be needed until the area is stable.