

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: March 28, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.16” of precipitation was reported since the previous inspection with 0.13” recorded on 3/20 (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 is utilizing the partially restored staging area to facilitate vault installation. The stone construction entrance remains. The bituminous curb near the access driveway has been damaged by heavy truck traffic (since 1/24). Stone was installed in the rutted area near the entrance. 3/28/08	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. 3/28/08	Continue to monitor.
Housatonic River	HDD work is complete. Fencing remains around the drill pits on both sides of the River. The area on the west side was backfilled and is ready to be paved. 3/28/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 3/28/08	Not Applicable (NA) at this time.
Metro North R.R. - Milford	Staging area has been established on the south side of the Metro North R.R. off Naugatuck Ave. Drilling is underway. A temporary access road has been cut to maintain access to the boat	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 3/28/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	launch area 3/28/08		
<p>Vault Openings and Trench Construction Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>HDD work on the Saugatuck River is complete. Steel plates were covering the drill pits on the east side and the west side has been partially backfilled. 3/28/08</p> <p>HDD work at the Housatonic River is complete. The drill pits have been partially backfilled, leaving only the conduits exposed on the east side. The west side has been backfilled and is ready to be paved. 3/28/08</p> <p>HDD is underway. The drill pit appears adequately sized and drilling fluid was contained. 3/28/08</p>	<p>Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-3/28/08</p> <p>Monitor and maintain sediment and erosion controls. 3/28/08</p> <p>Monitor and maintain sediment and erosion controls. 3/28/08</p>	<p>NA at this time</p> <p>NA at this time</p> <p>NA</p>
<p>Erosion and Sediment Controls</p> <p>Saugatuck River</p>	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 3/28/08</p> <p>On the west side of the Saugatuck River, hay bales and mulch remain in place around the drill pit, which have been partially backfilled. Hay bales remain along Lincoln St. 3/28/08</p> <p>The contractor for segment 4b continues to utilize the partially restored staging area on the east side of the Saugatuck River. The drilling pit was covered with steel plates. 3/28/08</p>	<p>Prevent dust migration by implementing the dust control measures. 3/28/08</p> <p>Continue to monitor and maintain the controls to ensure they adequately contain area until drilling pit is backfilled. Continue to sweep the roadway as necessary. 3/28/08</p> <p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). Backfill and stabilize the drilling pit when feasible. 3/28/08</p>	<p>NA at this time.</p> <p>NA at this time. Continue to monitor.</p> <p>Needs final restoration when work is complete.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>mitigation</p>	<p>Westport is complete. Final restoration and tie-in efforts continue. 3/28/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 3/28/08</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. 3/6-3/28/08</p>	<p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 3/28/08</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. 3/6-3/28/08</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>A staging area remains on either side of the Saugatuck River. The contractor for segment 4b is utilizing both areas to facilitate vault installation and tie-in work. Minor construction related debris has been removed from near the perimeter of the area. Exposed areas still remain. 3/28/08</p> <p>The shoulder area along Imperial Ave. on the east side of the Saugatuck River was previously rutted but crushed stone was placed here. 3/28/08</p> <p>HDD work is complete and the drill pits have been backfilled and ready to be paved on the west side of the Housatonic River. A drill pit is also located to the east of the River</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 will mostly likely be on hold until after the final connections have been tied in. 3/28/08</p> <p>Continue to monitor and provide full restoration when the work is complete. 3/28/08</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</p>	<p>Minor construction related debris has been removed from the area. Additional restoration efforts still needed.</p> <p>Crushed stone was added to the rutted area.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Metro North R.R. - Milford	<p>within a paved access area. 3/28/08</p> <p>Staging area has been established on the south side of the Metro North R.R. off of Naugatuck Ave. HDD work was underway. 3/28/08</p>	<p>details. 3/28/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 3/28/08</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. 3/28/08</p> <p>Drilling pits are covered with steel plates on the east side of the Saugatuck River and have been partially backfilled on the west side. 3/28/08</p> <p>On the west side of the Saugatuck River, exposed soils in the park adjacent to the river remain seeded, and mulched with hay. 3/28/08</p> <p>Drilling is complete at the Housatonic River. The drilling pits on the west side were waiting to be paved. 3/28/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 3/28/08</p> <p>Backfill the drilling pit as soon as feasible and stabilize the surface. 3/28/08</p> <p>Continue to monitor and provide final restoration measures at the growing season if needed. See Erosion and Sediment Controls section for more details. 3/28/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible. 3/28/08</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</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 3/28/08	None. 3/28/08	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	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	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. 12/5/07-3/28/08	Contractor states the property owner removed the shrubs. Needs evaluation during restoration.

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	<p>for the HDD work. 12/5/07-3/28/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 3/28/08</p>	<p>When work is completed, restore the area as indicated in the D&M plan. 3/28/08</p>	<p>NA at this time.</p>
Dewatering	<p>Dewatering activities were not observed during this week's inspection. 3/28/08</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. 3/28/08</p>	<p>NA</p>
Blasting	<p>No blasting has been proposed. 3/28/08</p>	<p>None 3/28/08</p>	<p>NA</p>
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the staging area. 3/28/08</p>	<p>Continue to bring spill kits to active work sites. 3/28/08</p>	<p>NA</p>
Housatonic River	<p>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. 2/21-3/28/08</p>	<p>Continue to clean any areas where incidental spills may have occurred due to construction activities. Sweep area once final paving and restoration efforts are complete. 3/28/08</p>	<p>Needs attention during final clean-up</p>
Additional Observations	<p>A small section of curbing has been damaged on the west side of the Housatonic near the corner where the drill pit was located. 3/28/08</p>	<p>Restore damaged section of curbing to pre-construction conditions. Ensure soil is currently contained. 3/28/08</p>	<p>Needs attention during restoration.</p>

Next likely scheduled inspection:

Thursday April 3, 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



On the east side of the Saugatuck River the drill pit is partially backfilled and steel plates are in place. The staging area has been partially restored.



On the east side of the Housatonic River, a previous frac out has been backfilled with crushed stone. Hay bales remain around the area



HDD work is underway at the Metro North R.R. crossing in Milford. A larger reaming bit was being installed in the north staging area located just off of Naugatuck Ave.



A small section of curbing has been damaged near the staging area on the west side of the Housatonic River. Repair the curbing during restoration and make sure exposed soil is currently contained.