

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 3, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.74” of precipitation was reported since the previous inspection with 0.27” recorded on 3/31 and 0.42” recorded on 4/1 (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 used the partially restored staging area to facilitate vault installation. Work is nearing completion. The stone construction entrance remains. The bituminous curb near the access driveway has been damaged by heavy truck traffic (since 1/24). 4/03/08	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. 4/03/08	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 was backfilled and is ready to be paved. 3/28-4/03/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 4/03/08	Not Applicable (NA)
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 launch area. Some minor sediment tracking was observed. 4/03/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. Sweep the area as needed. 4/03/08	Needs regular attention.

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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 backfilled with hand hole work finishing up. 4/03/08	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-4/03/08	NA at this time.
Housatonic River	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. 3/28-4/03/08	Monitor and maintain sediment and erosion controls. 4/03/08	NA at this time
Metro North R.R. - Milford	HDD work continues. The drill pit appears adequately sized and drilling fluid was contained. 4/03/08	Monitor and maintain sediment and erosion controls. 4/03/08	NA
Erosion and Sediment Controls Saugatuck River	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 4/03/08 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. 4/03/08 The contractor for segment 4b has utilized the partially restored staging area on the east side of the Saugatuck River. The drilling pit has been backfilled and restoration work was noted at the yard. 4/03/08	Prevent dust migration by implementing the dust control measures. 4/03/08 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. 4/03/08 Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). Stabilization will be needed on all exposed areas. 4/03/08	NA at this time. NA at this time. Continue to monitor. Needs final restoration when work is complete.
Housatonic River	The drill pits were	Continue to monitor the	Needs to be

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<p>Metro North R.R. - Milford</p>	<p>backfilled on the west side of the Housatonic River in preparation for paving 3/28-4/03/08</p>	<p>area and maintain controls to ensure they adequately contain the area. Provide final restoration to the area when feasible. 4/03/08</p>	<p>monitored and needs final restoration when work is complete.</p>
	<p>On the east side of the river, the dirt berm around the drilling pit remains mulched, and hay bales were in place between the berm and the river. These sedimentation control measures appeared to be functioning properly. 4/03/08</p>	<p>Continue to monitor the area. Replace/secure controls as needed to provide complete coverage and containment of the area. Continue to attend to spilled drilling slurry/mud and provide final restoration to the area. 4/03/08</p>	<p>NA at this time.</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. Haybales were in place and contained most of the sediment but a minor amount migrated beyond the barrier and towards the resource area. 3/6-4/03/08</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. 3/6-4/03/08</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. 3/28-4/03/08</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. 3/28-4/03/08</p>	<p>Catch basin needs attention.</p>
	<p>Minor sediment tracking was observed on Naugatuck Ave. near the temporary boat ramp</p>	<p>Sweep roadway as necessary to reduce sediment tracking 4/03/08</p>	<p>Needs regular attention.</p>

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	entrance. 4/03/08		
<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 and tie-in efforts continue. 4/03/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 4/03/08</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. 3/6-4/03/08</p>	<p>None. 4/03/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 4/03/08</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. 3/6-4/03/08</p>	<p>NA</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 and were being 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 was being regraded and the area will be seeded. Areas of exposed soil remain. 4/03/08</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. The berm will need controls until the seed has a chance to stabilize the area. 4/03/08</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>Additional restoration efforts still needed.</p> <p>Continue to monitor.</p>

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<p>Metro North R.R. - Milford</p>	<p>within a paved access area. 4/03/08</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. 4/03/08</p>	<p>details. 4/03/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 4/03/08</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 clay) is used in the process. 4/03/08</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. 4/03/08</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. 4/03/08</p> <p>Drilling is complete at the Housatonic River. The drilling pits on the west side were waiting to be paved. 3/28-4/03/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 4/03/08</p> <p>Continue to backfill the drilling pit as soon as feasible and stabilize the surface. 4/03/08</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. 4/03/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible. 3/28-4/03/08</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</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. 4/03/08</p>	<p>None. 4/03/08</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</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.</p>	<p>Contractor states the property owner removed the shrubs. Needs evaluation during restoration.</p>

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	<p>property owner removed the shrubs in preparation for the HDD work. 12/5/07-4/03/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 4/03/08</p>	<p>12/5/07-4/03/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 4/03/08</p>	<p>NA at this time.</p>
Dewatering	<p>Dewatering activities were not observed during this week's inspection. 4/03/08</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. 4/03/08</p>	<p>NA</p>
Blasting	<p>No blasting has been proposed. 4/03/08</p>	<p>None 4/03/08</p>	<p>NA</p>
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the staging area. 4/03/08</p>	<p>Continue to bring spill kits to active work sites. 4/03/08</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. 2/21-4/03/08</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. 4/03/08</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. 4/03/08</p>	<p>Restore damaged section of curbing to pre-construction conditions. Ensure soil is currently contained. 4/03/08</p>	<p>Needs attention during restoration.</p>

Next likely scheduled inspection:

Thursday April 10, 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



Drilling work is underway at the Metro North R.R. crossing in Milford. The staging area on the south side is located directly adjacent to Naugatuck Ave. A nearby catch basin was not protected with controls



Minor sediment tracking was observed on Naugatuck Ave. near the temporary boat ramp entrance associated with the Metro North R.R. Crossing. Sweep as needed.



The drill pits remain open on the east side of the Housatonic River. Tie-in work is underway and the pits are scheduled to be backfilled within the next few weeks.



On the west side of the Saugatuck River, the tie-in work is nearing completion. Hand hole installation work is ongoing at the time of the inspection.