

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 10, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.85” of precipitation was reported since the previous inspection with 0.27” recorded on 4/4 (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 complete and restoration continues. The bituminous curb near the access driveway has been damaged by heavy truck traffic (since 1/24). 4/10/08	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. 4/10/08	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. 3/28-4/10/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 4/10/08	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. A temporary access road has been cut to maintain access to the boat launch area. Some minor sediment tracking was observed last week but was not an issue this week. 4/10/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 4/10/08	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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. The drill pits have been backfilled on the east side and the west side has been partially backfilled. 4/10/08</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. 3/28-4/10/08</p> <p>HDD work continues. Conduit has been pulled through the first boring. No active work was occurring at the time of the inspection. The drill pit appears adequately sized and drilling fluid was contained. 4/10/08</p>	<p>Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20-4/10/08</p> <p>Monitor and maintain sediment and erosion controls. 4/10/08</p> <p>Monitor and maintain sediment and erosion controls. See erosion control section. 4/10/08</p>	<p>NA</p> <p>NA at this time</p> <p>NA at this time</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. 4/10/08</p> <p>On the west side of the Saugatuck River, hay bales and mulch remain in place around the drill pit. Hay bales remain along Lincoln St. Topsoil and seed were being applied to portions of the adjacent work area. 4/10/08</p> <p>On the east side of the Saugatuck River, the contractor for segment 4b has partially restored the staging area. The drilling pit has been backfilled.</p>	<p>Prevent dust migration by implementing the dust control measures. 4/10/08</p> <p>Continue to monitor and maintain the controls to ensure they adequately contain area until final stabilization. Continue to sweep the roadway as necessary. 4/10/08</p> <p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area).</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>

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<p>Housatonic River</p>	<p>4/10/08</p> <p>The drill pits were backfilled on the west side of the Housatonic River in preparation for paving. 3/28-4/10/08</p>	<p>Stabilization will be needed on all exposed areas. 4/3-4/10/08</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. 4/10/08</p>	<p>Needs to be 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. Hay bales remain in place along the bank of the Housatonic River. But some have been moved and are deteriorating. 4/10/08</p>	<p>Continue to monitor the area. Reset and replace deteriorated haybales as necessary to provide complete coverage and containment of the area. Provide final restoration. 4/10/08</p>	<p>Controls need attention when feasible.</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. 3/6-4/10/08</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. 3/6-4/10/08</p>	<p>Needs attention.</p>
<p>Metro North R.R. - Milford</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. 3/28-4/10/08</p> <p>Minor sediment tracking</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. 3/28-4/10/08</p> <p>Sweep roadway as</p>	<p>Catch basin needs attention.</p> <p>Sediment tracking was</p>

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	was previously observed on Naugatuck Ave. near the temporary boat ramp entrance. Tracking was not an issue during this week's inspection. 4/10/08	necessary to reduce sediment tracking. 4/10/08	not an issue this week.
Inland Wetland and Watercourse encroachment and mitigation	<p>The HDD of the Saugatuck River and associated wetlands in Westport is complete. Final restoration efforts continue. 4/10/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 4/10/08</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. 3/6-4/10/08</p>	<p>None. 4/10/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 4/10/08</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. 3/6-4/10/08</p>	<p>NA</p> <p>NA</p> <p>Additional controls appear to be needed.</p>
Staging, Storage, and Parking Areas Saugatuck River	A staging area remains on either side of the Saugatuck River and were 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 regraded and seeded. 4/10/08	Restore site to pre-construction conditions (gravel parking area). Final restoration continues. The berm will need controls until the seed has a chance to stabilize the area. 4/10/08	Additional restoration efforts still needed.
Housatonic River	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	Contain all material within the established limits of work zone and clean and restore the areas appropriately. See erosion	Continue to monitor.

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<p>Metro North R.R. - Milford</p>	<p>drill pit remains to the east of the River within a paved access area. 4/10/08</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. 4/10/08</p>	<p>control and spills/ material storage sections for more details. 4/10/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 4/10/08</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. 4/10/08</p> <p>Drilling pits have been backfilled with processed material on the east side of the Saugatuck River and have been backfilled on the west side. 4/10/08</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. 4/10/08</p> <p>Drilling is complete at the Housatonic River. The drilling pits on the west side were waiting to be paved. 3/28-4/10/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 4/10/08</p> <p>Continue to stabilize the surface in this work area. 4/10/08</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. 4/10/08</p> <p>Continue to monitor the area. Stabilize the surface as soon as feasible. 3/28-4/10/08</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 4/10/08</p>	<p>None. 4/10/08</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</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. 12/5/07-4/10/08</p>	<p>Contractor states the property owner removed the shrubs. Needs evaluation during restoration.</p>

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	<p>the shrubs in preparation for the HDD work. 12/5/07-4/10/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 4/10/08</p>	<p>When work is completed, restore the area as indicated in the D&M plan. 4/10/08</p>	<p>NA at this time.</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed during this week's inspection. 4/10/08</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. 4/10/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 4/10/08</p>	<p>None 4/10/08</p>	<p>NA</p>
<p>Spills and Material Storage</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>Reserve spill cleanup materials/kits were observed in the staging area. 4/10/08</p> <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. 2/21-4/10/08</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. 4/10/08</p>	<p>Continue to bring spill kits to active work sites. 4/10/08</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. 4/10/08</p> <p>Remove accumulated slurry material. Use caution to prevent future spills/accumulations. Adjust controls as necessary. 4/10/08</p>	<p>NA</p> <p>Needs attention during final clean-up</p> <p>Needs attention when feasible.</p>
<p>Additional Observations</p>	<p>A small section of curbing has been damaged on the west side of the Housatonic near the corner of the staging yard where the drill pit was located. 4/10/08</p>	<p>Restore damaged section of curbing to pre-construction conditions. Ensure soil is currently contained. 4/10/08</p>	<p>Needs attention during restoration.</p>

**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



On the west side of the Saugatuck River near sta. #234, topsoil was being spread and the area was being seeded.



HDD work has been tied-in to the vault near sta. #1015 and the area has been partially backfilled. Final restoration or paving is still scheduled.



Conduit has been pulled through the first of two borings at the Metro North Railroad Crossing in Milford. A minor amount of slurry material was observed near the perimeter of the staging area, but it was being adequately contained by a haybale barrier.

