

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: February 27, 2008

Inspector: Margaret Washburn

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

Rain Event: 1.03” of precipitation was reported since the previous inspection with 0.53” recorded on 2/22 and 0.49” recorded on 2/26 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access Roads and Adjacent Roadways Saugatuck River</p>	<p>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 however, some ruts were noted along the shoulder of the roadway. 2/7-2/27/08</p> <p>The bituminous curb near the access driveway has been damaged by heavy truck traffic (since 1/24). 2/27/08</p>	<p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). Restore rutted area and temporarily stabilize. Repair damaged curbing when work is complete. 2/27/08</p>	<p>Continue to monitor.</p>
<p>Housatonic River</p>	<p>Equipment has been removed from the temporary staging area (in a parking lot behind a shopping plaza) on the west side of the Housatonic River. HDD work is complete. The perimeter fencing has been relocated closer to the drilling pit. A work area is also in place on the eastern bank. 2/27/08</p>	<p>Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 2/27/08</p>	<p>Staging areas were being demobilized.</p>

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	<p>On the east side of the Housatonic River conduit sections had been staged in the area between sta. #1015 to 1020, creating some ruts in the crushed stone backfill installed by Segment 3 contractors. 2/21-2/27/08</p>	<p>Re-grade the stone backfill when feasible. 2/21-2/27/08</p>	<p>Needs attention when feasible.</p>
<p>Vault Openings and Trench Construction Saugatuck River</p> <p>Housatonic River</p>	<p>HDD work on the Saugatuck River is almost complete. Drilling pits remain open. 2/27/08</p> <p>HDD work at the Housatonic River is almost complete. Conduit has been pulled through the boring. On the west side of the river, the drill pits have been backfilled, leaving only the conduits exposed for tie-in. 2/27/08</p>	<p>Monitor and maintain sediment and erosion controls. 2/27/08</p> <p>Monitor and maintain sediment and erosion controls. 2/27/08</p>	<p>NA</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. 2/27/08</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. 2/27/08</p> <p>The contractor for segment 4b is now utilizing the partially restored staging area on the east side of the Saugatuck River. 2/27/08</p> <p>Two minor frac outs were observed (on land) between the access drive and drilling pit on the</p>	<p>Prevent dust migration by implementing the dust control measures. 2/27/08</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. 2/27/08</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. 2/27/08</p> <p>Properly contain and remove the material. Restore the area to pre-construction conditions.</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> <p>Needs attention.</p>

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<p>Housatonic River</p>	<p>east side of the Saugatuck River. Fencing remains around this area. Both areas were full of water at the time of the inspection. 2/14-2/27/08</p>	<p>2/14-2/27/08</p>	
	<p>The drill pits have been partially backfilled on the west side of the Housatonic River, leaving only the conduits exposed. Haybales have been relocated around the remaining drilling pit. A minor amount of sediment was observed over the paved surface of the parking lot. The frac tank has been removed. 2/27/08</p>	<p>Continue to monitor the area and maintain controls to ensure they adequately contain the area. Continue to clean any areas where incidental spills may have occurred due to construction activities and provide final restoration to the area when tie-in work is complete. 2/27/08</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, and hay bales were in place between the berm and the river. These sedimentation control measures appeared to be functioning properly. 2/27/08</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. 2/27/08</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, there are no other controls between the berm and the resource area. 12/21-2/27/08</p>	<p>Add controls if necessary. Permanently stabilize area when feasible. 12/21-2/27/08</p>	<p>Continue to monitor.</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 in upland staging areas. 2/27/08</p>	<p>None. 2/27/08</p>	<p>NA</p>

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	<p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. 2/27/08</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. 2/27/08</p>	<p>The work was completed well with the approved monitoring plan provided in the D&M plan. 2/27/08</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. 2/27/08</p>	<p>NA</p> <p>The berm was mulched, but additional controls may still be needed.</p>
<p>Staging, Storage, and Parking Areas Saugatuck River</p>	<p>A staging area remains on either side of the Saugatuck River. On the east side of the river, the area has been partially restored. Minor construction related debris (wooden stakes, metal banding, conduit sections, toed-in portions of silt fence, etc.) remains near the perimeter of the area. On the west side, the staging area is in a church parking lot. The contractor for segment 4b is utilizing both areas to facilitate vault installation and tie-in work. 2/27/08</p> <p>The shoulder area along Imperial Ave. on the east side of the Saugatuck River was previously rutted due to vehicle traffic accessing the site directly from the roadway. The contractor for segment 4b is utilizing this area and is now using the existing construction entrance to access the site. 2/27/08</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 will mostly likely be on hold until after the vaults are installed and final connections made. 2/27/08</p> <p>Continue to utilize the existing construction entrance when accessing the site. Coordinate efforts with the contractor for segment 4b. 2/27/08</p>	<p>NA at this time but needs final restoration.</p> <p>NA</p>
<p>Housatonic River</p>	<p>The staging area within a paved parking lot behind</p>	<p>Contain all material within the established limits of</p>	<p>Continue to monitor.</p>

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	<p>a plaza on the west side of the Housatonic River has been demobilized and reduced in size. Perimeter fencing has been relocated to enclose this area. Drill pits on the west side have been partially backfilled with only the conduits left exposed. A drill pit/work area is also located to the east of the River within a paved access. 2/27/08</p>	<p>work zone and clean and restore the areas appropriately. See erosion control and spills/ material storage sections for more details. 2/27/08</p>	
<p>Soils</p>	<p>Soils are exposed as part of the drill set-up and excavations at each HDD. Drilling slurry (bentonite clay) was used in the process but drilling is inactive. 2/27/08</p> <p>Drilling pits remain open on both sides of the Saugatuck River. 2/27/08</p> <p>On the west side of the Saugatuck River, exposed soils in the park adjacent to the river have been re-graded, seeded, and mulched with hay. 2/27/08</p> <p>Drilling pits remain on both sides of the Housatonic River, but the western ones have been mainly backfilled, leaving the conduits exposed. 2/27/08</p>	<p>Monitor for dust as previously indicated. 2/27/08</p> <p>Backfill the drilling pit as soon as feasible and stabilize the surface. 2/27/08</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. 2/27/08</p> <p>Continue to monitor the area. Pits had been adequately sized and monitored throughout the work. 2/27/08</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p> <p>NA at this time.</p> <p>Drill pits had been successfully monitored throughout the work. Continue restoration.</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. 2/27/08</p>	<p>None. 2/27/08</p>	<p>NA</p>
<p>Vegetative clearing (including trees to save)</p>	<p>Although not marked on the D&M, a row of</p>	<p>If shrubs were removed by the property owner prior to</p>	<p>Contractor states the property owner</p>

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<p>or danger trees noted) or stabilization</p>	<p>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. 12/5/07-2/27/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 2/27/08</p>	<p>HDD work, then discuss and reach an agreement with the property owner regarding the final restoration measures. 12/5/07-2/27/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 2/27/08</p>	<p>removed the shrubs. Needs evaluation during restoration.</p> <p>NA at this time.</p>
<p>Dewatering</p>	<p>Dewatering activities were not observed at the time of the inspection. 2/27/08</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. 2/27/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 2/27/08</p>	<p>None 2/27/08</p>	<p>NA</p>
<p>Spills and Material Storage</p> <p>Saugatuck River</p> <p>Housatonic River</p>	<p>Reserve spill cleanup materials/kits were observed in the staging area. 2/27/08</p> <p>Small, frac-outs were also observed near the drilling pit (since 1/24) on the east side of the Saugatuck River. The contractor for segment 4b is now using this staging area. 2/27/08</p> <p>The large drill pit on the west side of the Housatonic River has been partially backfilled. 2/27/08</p> <p>On the west side of the Housatonic River,</p>	<p>Continue to bring spill kits to active work sites. 2/27/08</p> <p>Coordinate final restoration efforts/ responsibilities with the contractor working on segment 4b. Restore site to pre-construction conditions (gravel parking area). See Erosion and Sediment Controls section for more details. 2/27/08</p> <p>Continue to monitor the area and maintain controls to ensure they adequately contain the area. Backfill and permanently restore the area when feasible. 2/27/08</p> <p>Properly contain, clean, and dispose of the spilled</p>	<p>NA</p> <p>Old frac-out areas need attention when feasible.</p> <p>Pits were successfully sized and monitored during the work.</p> <p>Needs attention.</p>

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	<p>absorbent material remains spread over several areas of the spill/leak noted since 1/31, where the generator trailer was previously located. The generator trailer has been relocated to a paved area adjacent to the work zone and continues to leak. 2/21-2/27/08</p> <p>On the west side of the Housatonic River a minor amount of remnant mud/slurry was observed over the paved surface of the parking lot in various areas throughout the staging area. 2/21-2/27/08</p>	<p>substances ASAP. Repair the equipment ASAP and provide containment and clean up in the new location as well. 2/21-2/27/08</p> <p>Continue to clean any areas where incidental spills may have occurred due to construction activities. 2/27/08</p>	<p>Needs regular attention.</p>
<p>Additional Observations</p>	<p>None. 2/27/08</p>	<p>None. 2/27/08</p>	<p>NA.</p>

Next likely scheduled inspection:

Thursday, March 6, 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: Margaret Washburn, BSC Group

Reviewer: Diana Walden, BSC Group



On the east side of the Housatonic River the dirt berms remain between the drill pits (conduits) and the river.



On the west side of the Housatonic River, the drilling pits have been backfilled, with only the conduits left exposed.



On the west side of the Saugatuck River, the HDD has been Completed and crews are now working on vaults and tie-ins.



Staging area on the east side of the Saugatuck River was partially restored but is now being utilized by Seg. 4B contractors for the vault installation. Final restoration efforts will need to be coordinated between the contractors.