

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 20, 2008

Inspector: Gregory Sommer

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

Rain Event: 1.26” of precipitation was reported since the previous inspection with 1.17” of the total recorded on 3/19 (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). 3/20/08	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. 3/20/08	Continue to monitor.
Housatonic River	HDD work is complete. Demobilized, temporary staging areas remain on both sides of the River, with fencing around the drilling pits. Hand holes were being installed on the west side and the area was partially backfilled. 3/20/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 3/20/08	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	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 3/20/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	launch area 3/20/08		
Vault Openings and Trench Construction Saugatuck River	HDD work on the Saugatuck River is complete. Drilling pits remain open on the east side and partially backfilled on the west side. 3/20/08	Monitor and maintain sediment and erosion controls. Contractors plan to pave the west side soon. 3/20/08	NA
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. Hand holes have been installed on the west side and the area was partially backfilled. 3/20/08	Monitor and maintain sediment and erosion controls. 3/20/08	NA
Metro North R.R. - Milford	HDD has begun. The drill pit appears adequately sized and drilling fluid was well contained. 3/20/08	Monitor and maintain sediment and erosion controls. 3/20/08	NA
Erosion and Sediment Controls	Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 3/20/08	Prevent dust migration by implementing the dust control measures. 3/20/08	NA at this time.
Saugatuck River	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. 3/20/08	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. 3/20/08	NA at this time. Continue to monitor.
	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 being backfilled. 3/20/08	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. 3/20/08	Needs final restoration when work is complete.
	Two minor frac outs were	Continue to restore the area	The area has been

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<p>Housatonic River</p>	<p>previously observed (on land) between the access drive and drilling pit on the east side of the Saugatuck River. Vault work in the area has helped to indirectly re-grade and restore these areas. 3/20/08</p>	<p>to pre-construction conditions. 3/20/08</p>	<p>indirectly re-graded and restored by adjacent vault work.</p>
	<p>The drill pits were backfilled on the west side of the Housatonic River. Hand holes have been installed. A portion of the trench remains open and is covered with steel plates. 3/20/08</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. 3/20/08</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. 3/20/08</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. 3/20/08</p>	<p>NA at this time.</p>
<p>Metro North R.R. - Milford</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. 3/6-3/20/08</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. 3/6-3/20/08</p>	<p>Needs attention.</p>
	<p>Haybales and a filter boom are in place around</p>	<p>Monitor and maintain sediment and erosion</p>	<p>The drill pit was well contained at this time</p>

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	<p>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. 3/20/08</p>	<p>controls. Adjust controls as field conditions change. 3/20/08</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 and tie-in efforts continue. 3/20/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 3/20/08</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. Sediment migration was noted beyond an existing haybale barrier in this general area. 3/6-3/20/08</p>	<p>None. 3/20/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 3/20/08</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. 3/6-3/20/08</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>A staging area remains on either side of the Saugatuck River. Minor construction related debris (wooden stakes, metal banding, conduit sections, toed-in portions of silt fence, etc.), remain near the perimeter of the area. The contractor for segment 4b is utilizing both areas to facilitate vault installation and tie-in work. 3/20/08</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 final connections have been tied in. 3/20/08</p>	<p>Needs attention.</p>

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<p>Housatonic River</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 Imperial Ave. The contractor for segment 4b is utilizing this area and is now using the existing construction entrance to access the site. 3/20/08</p>	<p>Continue to utilize the existing construction entrance when accessing the site. Coordinate efforts with the contractor for segment 4b. 3/20/08</p>	<p>NA</p>
	<p>A staging area remains within a paved parking lot behind a plaza on the west side of the Housatonic River. HDD work is complete and the drill pits on the west side were being backfilled. Vault tie-in work continues in the area and perimeter fencing and barriers have been relocated to enclose those areas. A drill pit is also located to the east of the River within a paved access area. 3/20/08</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. 3/20/08</p>	<p>Continue to monitor.</p>
<p>Metro North R.R. - Milford</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. 3/20/08</p>	<p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 3/20/08</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. 3/20/08</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 3/20/08</p>	<p>NA</p>
	<p>Drilling pits remain open on east side of the Saugatuck River and have been partially backfilled on the west side. 3/20/08</p>	<p>Backfill the drilling pit as soon as feasible and stabilize the surface. 3/20/08</p>	<p>Continue to monitor, needs attention when feasible.</p>
	<p>On the west side of the</p>	<p>Continue to monitor and</p>	<p>NA at this time.</p>

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	<p>Saugatuck River, exposed soils in the park adjacent to the river remain seeded, and mulched with hay. 3/20/08</p> <p>Drilling is complete at the Housatonic River. The drilling pits were being backfilled on the west side. 3/20/08</p>	<p>provide final restoration measures at the growing season if needed. See Erosion and Sediment Controls section for more details. 3/20/08</p> <p>Continue to monitor the area. Backfill the drilling pit as soon as feasible and stabilize the surface. 3/20/08</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 3/20/08</p>	<p>None. 3/20/08</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. 12/5/07-3/20/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 3/20/08</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. 12/5/07-3/20/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 3/20/08</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. 3/20/08</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. 3/20/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 3/20/08</p>	<p>None 3/20/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Reserve spill cleanup materials/kits were observed in the staging area. 3/20/08</p>	<p>Continue to bring spill kits to active work sites. 3/20/08</p>	<p>NA</p>



On the west side of the Housatonic River near sta. #999, vault tie-in work is complete and hand holes were installed.



Drilling work is underway at the Metro North R.R. Crossing in Milford. The drilling pit was well contained.



On the east side of the Saugatuck River, the tie-in work is nearing completion. The trench was being backfilled at the time of the inspection.



A small channel has formed on the east side of the Housatonic River near the south side of the staging area. Hay bales are in place and are containing most of the sediment but a minor amount has migrated beyond the haybale barrier. A resource area is adjacent to this location.