

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 24, 2008

Inspector: Gregory Sommer

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

Rain Event: 0.00" of precipitation was reported since the previous inspection (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 continue to restore the staging area. The bituminous curb near the access driveway has been damaged by heavy truck traffic (since 1/24). 4/24/08	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. 4/24/08	Continue to monitor.
Housatonic River	HDD work is complete. The area on the east side has been backfilled and is awaiting pavement. 4/24/08	Continue to finalize and restore the areas. See Erosion and Sediment Control section for more details. 4/24/08	Not Applicable (NA)
Metro North R.R. - Milford	Staging areas have been established on the north and 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. 4/24/08 A new temporary access drive has been constructed and a soil stockpile was noted. 4/24/08	Continue to monitor for tracking. See Erosion and Sediment Control section for more details. 4/24/08 Monitor for sediment tracking. See Spills and Material storage section regarding the stockpile. 4/24/08	NA Stockpile needs attention.
Vault Openings and Trench Construction	HDD work on the Saugatuck River is	Monitor and maintain sediment and erosion	Needs final paving.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>complete. Both of the drill pits have now been backfilled. 4/24/08</p> <p>HDD work at the Housatonic River is complete. The eastern drill pits have been backfilled, and are waiting for pavement. 4/24/08</p> <p>HDD work continues. Conduit has been pulled through the first boring. The drill pit appears adequately sized and drilling fluid was contained. 4/24/08</p>	<p>controls. Contractors plan to pave the west side soon. 3/20-4/24/08</p> <p>Monitor and maintain sediment and erosion controls. 4/24/08</p> <p>Monitor and maintain sediment and erosion controls. See erosion control section. 4/24/08</p>	<p>NA</p> <p>NA</p>
<p>Erosion and Sediment Controls</p> <p>Saugatuck River</p> <p>Housatonic River</p>	<p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. 4/24/08</p> <p>On the west side, the drill pit remains backfilled with topsoil spread over a portion of the area. The adjacent area waiting to be paved. Hay bales remain along Lincoln St. 4/24/08</p> <p>On the east side, the contractor for segment 4b has partially restored the staging area. 4/24/08</p> <p>The drill pits have been backfilled on both sides of the Housatonic River. Hay bales remain in place on the east side, along the bank of the river. 4/24/08</p> <p>On the east side a dirt berm remains mulched along the south side of</p>	<p>Prevent dust migration by implementing the dust control measures. 4/24/08</p> <p>Continue to monitor and maintain the controls to ensure they adequately contain area. Continue to sweep the roadway as necessary. 4/24/08</p> <p>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. 4/3-4/24/08</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. 4/24/08</p> <p>Reinforce controls if necessary and ensure the stone provides adequate</p>	<p>NA at this time.</p> <p>Continue to monitor. Needs final paving.</p> <p>Needs final restoration when work is complete.</p> <p>Needs to be monitored and needs final restoration when work is complete.</p> <p>Deteriorated hay bales have been replaced with crushed stone</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Metro North R.R. - Milford</p>	<p>the staging area adjacent to a resource area. In the same general area, a small channel has eroded. Deteriorated hay bales have been replaced with crushed stone to contain sediment. Debris has been removed from the area. 4/24/08</p> <p>Hay bales 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. 3/28-4/24/08</p> <p>Minor sediment tracking was previously observed on Naugatuck Ave. near the temporary boat ramp entrance. Tracking was not an issue during this week's inspection. 4/24/08</p>	<p>containment. Permanently stabilize the area as soon as feasible. Remove any accumulated sediment in the area of the controls. 4/24/08</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. 3/28-4/24/08 See spills and material section for details on a stockpile here. 4/24/08</p> <p>Continue to sweep roadway as necessary to reduce sediment tracking. 4/24/08</p>	<p>and debris was removed.</p> <p>Catch basin needs attention.</p> <p>Sediment tracking was not an issue.</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. 4/24/08</p> <p>The HDD of the Housatonic River and associated wetlands in Stratford and Milford is complete. Final restoration and tie-in efforts continue. 4/24/08</p> <p>On the east side of the Housatonic River, the berm along the south side of the staging area has been mulched but there</p>	<p>None. 4/24/08</p> <p>The drill work was completed well with the approved monitoring plan provided in the D&M plan 4/24/08</p> <p>Install erosion control measures between the dirt berm and the adjacent resource area if needed. Reinforce the controls in the</p>	<p>NA</p> <p>NA</p> <p>Additional controls appear to be needed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>are no other controls between it and the adjacent resource area. Minor sediment migration was previously noted beyond the controls in this general area. 3/6-4/24/08</p>	<p>area of sedimentation. See Erosion and Sedimentation Controls section for more details. 3/6-4/24/08</p>	
<p>Staging, Storage, and Parking Areas Saugatuck River</p> <p>Housatonic River</p> <p>Metro North R.R. - Milford</p>	<p>Staging areas on both sides of the Saugatuck River were used by the contractor for segment 4b to facilitate vault tie-in work. The area on the east side is being restored. The dirt berm is beginning to grow grass. 4/24/08</p> <p>The work area on the west side of the Housatonic River has been re-paved, except for a minor area which remains backfilled with processed material. Restoration is ongoing to the east of the River within a paved access area. 4/24/08</p> <p>Staging areas have been established on both sides of the Metro North R.R. off of Naugatuck Ave. HDD work has resumed. 4/24/08</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 is underway. The berm will need controls until the seed has a chance to stabilize the area. 4/24/08</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. 4/24/08</p> <p>Contain all material within the established limits of work zone. See Erosion Control and Spills/ Material Storage sections for more details. 4/24/08</p>	<p>Additional restoration efforts still needed.</p> <p>Continue to monitor.</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. 4/24/08</p> <p>Drilling pits have been backfilled with processed material on the east side of the Saugatuck River and are awaiting pavement on the west</p>	<p>Monitor for dust as previously indicated. See the Spills and Material Storage section. 4/24/08</p> <p>Continue to stabilize the surface and permanently restore the area as soon as feasible. (west side has been backfilled without the final surface treatment for a</p>	<p>NA</p> <p>Continue to monitor, needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>side. 4/24/08</p> <p>On the west side of the Saugatuck River, the previously restored work area in the park adjacent to the river is beginning to grow grass. 4/24/08</p> <p>The work area on the east side of the Housatonic River is awaiting pavement. 4/24/08</p>	<p>number of weeks.) 4/24/08</p> <p>Continue to monitor for final stabilization. 4/24/08</p> <p>Continue to monitor the area. Backfill the drilling pit as soon as feasible and stabilize the surface. 4/24/08</p>	<p>Some grass growth was noted.</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. 4/24/08</p>	<p>None. 4/24/08</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. 12/5/07-4/24/08</p> <p>Shrubs had previously been removed from the west side of the river near sta. #234+50 as per the D&M Plan. 4/24/08</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. 12/5/07-4/24/08</p> <p>When work is completed, restore the area as indicated in the D&M plan. 4/24/08</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. 4/24/08</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. 4/24/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting has been proposed. 4/24/08</p>	<p>None 4/24/08</p>	<p>NA</p>
<p>Spills and Material Storage</p>	<p>Reserve spill cleanup materials/kits were observed in the staging</p>	<p>Continue to bring spill kits to active work sites. 4/24/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Housatonic River	<p>areas where active work was ongoing 4/24/08</p> <p>On the west side of the Housatonic River a minor amount of remnant mud/slurry was previously observed and has been removed from the paved surface in various locations throughout the staging area. 4/24/08</p>	None at this time. 4/24/08	Remnant slurry has been removed from the paved surface.
Metro North R.R. - Milford	<p>A minor amount of slurry material was observed along the perimeter of the staging area, but was being retained by the haybale barrier. 4/10-4/24/08</p> <p>A soil stockpile is located adjacent to the staging area at the new access drive and is located outside of the limits of the perimeter controls. 4/24/08</p>	<p>Remove accumulated slurry material. Use caution to prevent future sills/accumulations. Adjust controls as necessary. 4/10-4/24/08</p> <p>Provide adequate containment around temporary soil stockpiles. 4/24/08</p>	<p>Needs attention when feasible.</p> <p>Needs attention.</p>
Additional Observations	A small section of curbing has been damaged near the corner of the staging area on the west side of the Housatonic River where the drill pit was located. 4/17-4/24/08	Restore damaged section of curbing to pre-construction conditions. 4/17-4/24/08	Needs attention during restoration.

Next likely scheduled inspection:

Thursday May 1, 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



A new temporary access drive has been constructed at the Metro North Railroad crossing in Milford. Stockpiled soil is being stored outside of the controlled area and lacks adequate containment.



HDD work continues at the Metro North Railroad crossing in Milford. The drilling pit appears to be appropriately sized.



The area near sta. #231-234 has been prepared for paving for several weeks. Seed and mulch were previously spread over the areas of exposed soil that are not slated for paving.



HDD vault tie-in work has been completed on the east side of the Housatonic River and the area has been backfilled in preparation for paving.