

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: November 8, 2007

Inspector: Gregory Sommer

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

Rain Event: 0.44” of precipitation was reported since the previous inspection, with 0.34” of the total recorded on 11/6 (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	A stone construction entrance is in place at the access to the staging area on the east side of the Saugatuck River. The entrance is accessed from the paved parking area off of Imperial Ave. The stone entrance was recently refreshed; Sediment tracking was not an issue. 11/08/07	Continue to maintain construction entrance to reduce sediment migration from the work area. Continue to sweep the parking lot area as necessary. 11/08/07	Needs regular attention.
	Steel plates remain in place on Riverside Avenue to help distribute vehicle loads over the boring. 11/08/07	Continue to monitor the area. 11/08/07	NA at this time.
Vault Openings and Trench Construction	Work on the Horizontal Directional Drill (HDD) between vault #14 to vault #15 under the Saugatuck River continues. The conduit has been installed in the first hole and crews were preparing to dewater them. Flowable fill was being pumped into the boring. Crews are awaiting geotechnical borings prior to starting work on	When drilling resumes, continue to monitor carefully for drilling fluid releases and continue to address as specified in the monitoring plan provided in the D&M. Contractors have been monitoring pressure and making regular visual inspections in the river. 11/018/07	Not Applicable (NA)

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>the second hole. 11/08/07</p> <p>Lane closures have been set-up along Old Post Road near Ash Creek as crews prepare for the HDD in this location. 11/08/07</p>	<p>None. 11/08/07</p>	<p>NA</p>
<p>Erosion and Sediment Controls</p>	<p>No catch basins were observed to be down-gradient of/adjacent to areas of exposed soil. 11/08/07</p> <p>However, a frac tank on the west side staging area was being drained. The discharge was being directed into a protected catch basin. Debris in the silt sack was causing the water to flow downgradient to an unprotected catch basin. 11/08/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Special attention should be given to the east side staging area as the majority of the area is an exposed dirt surface and residences are nearby. 11/08/07</p> <p>Silt fence remains around the drilling pit area on the west side of the river. The drill pit has been backfilled and the exposed soil was temporarily stabilized with hay mulch. 11/08/07</p> <p>Silt fence has been partially removed from around the drilling pit on the east bank of the river.</p>	<p>Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils to prevent sediment from entering basin. 11/08/07</p> <p>Remove debris from the silt sack and reestablish proper drainage or install an additional silt sack in the downstream catch basin. 11/08/07</p> <p>Prevent dust migration by implementing the dust control measures. If exposed soils are not to be worked within 21 days, they should be stabilized. 11/08/07</p> <p>Continue to monitor and maintain the controls to ensure they contain the area adequately. 11/08/07</p> <p>Continue to monitor and maintain the controls. Identify areas of potential high flow or run-off and</p>	<p>NA</p> <p>Needs attention.</p> <p>NA at this time</p> <p>Soils were temporarily stabilized.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Drilling activities related to the first hole have been completed. The area where the silt fence was removed appears to be stable. 11/08/07</p>	<p>reinforce controls when necessary. Temporarily stabilize any remaining exposed soils were work will not return within 21 days. 11/08/07</p>	
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The currently active portion of the project consists of the watercourse crossing of the Saugatuck River and associated wetlands in Westport. 11/08/07</p>	<p>Continue to implement the approved monitoring plan for the crossing of the Saugatuck River provided in the D&M plan in order to avoid impacts to the resource areas. 11/08/07</p>	<p>NA</p>
<p>Staging, Storage, and Parking Areas</p>	<p>A staging area has been established on either side of the Saugatuck River to accommodate the HDD activities. On the east side of the river, the staging area is within a gravel parking area. On the west side, staging is within a paved parking lot of a church. 11/08/07</p> <p>A bentonite clay reclamation/ recycling machine, used to separate bentonite clay from the soil is set-up within the staging area on the east side of the river. Sediment tracking was not an issue. 11/08/07</p> <p>On the east side of the river, several hoses are being used in the HDD operation and are located outside of the contained, silt fence limits of the staging area. Hoses also appear to be placed under the silt fence at one point. 10/25-11/08/07</p>	<p>See erosion control section for more details. Contractors have stated the materials will be removed when the yard is restored. Contain all material within the established limits of both yards. 11/08/07</p> <p>Continue to monitor area for sediment tracking sweep parking lot/ roadway as necessary. Minimize vehicle traffic in the staging area when feasible. 11/08/07</p> <p>Wherever feasible, relocate hoses within the staging area, using the silt fence to protect surrounding areas from potential spills or leaks. Also, when hoses need to leave the contained area, construct forked or Y-shaped stakes to prop the hoses over the silt fence rather than under the controls. 10/25-11/08/07</p>	<p>NA at this time.</p> <p>Needs regular attention.</p> <p>Needs attention and evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Soils	<p>Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 11/08/07</p> <p>Drilling work on the first hole is complete. The drilling pit within the east side staging yard was adequately sized for the drilling operations. 11/08/07</p> <p>The drilling pit on the west side of the river has been backfilled and stabilized with hay mulch. 11/08/07</p>	<p>Soils appear to be handled appropriately. Monitor for dust as previously indicated. 11/08/07</p> <p>For future drilling continue to monitor the amount of slurry in relation to the size of the pit to ensure adequate storage capacity. Also consider impacts from future storm events and run-off. 11/08/07</p> <p>Continue to monitor the area and stabilize whenever feasible. 11/08/07</p>	<p>NA</p> <p>First drill hole was completed.</p> <p>NA at this time.</p>
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area	None.	NA
Vegetative clearing (including trees to save or danger trees noted) or stabilization	<p>A row of hedges/shrubs was removed from the west side of the river near sta. #235+75. This area was not specifically marked with a note for clearing on the 4/5/07 revised version of the D&M Plan 9/18-11/08/07</p> <p>Shrubs were removed a few weeks ago from the west side of the river near sta. #234+50. This area does appear to be part of the section marked with a note for clearing on the 4/5/07 D&M Plan 11/08/07</p>	<p>Re-establish removed vegetation when feasible or confirm removal with the CSC if not approved by the D&M Plan. If the removal is included on a more recent revision of the D&M, restore vegetation as indicated when work is complete. 11/08/07</p> <p>When work is completed, restore the area as indicated in the D&M plan. 11/08/07</p>	<p>Needs evaluation/confirmation.</p> <p>NA at this time.</p>
Dewatering	Crews were preparing to dewater the installed conduit sections, which were filled with fresh water to facilitate the	Continue to ensure that material is contained appropriately and treated according to the groundwater handling	NA

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	<p>installation process. 11/08/07</p> <p>Water from the frac tank on the west side was being released to the catch basin. 11/08/07</p>	<p>plan as referenced in the D&M. 11/08/07</p> <p>See erosion control section for more details. 11/08/07</p>	NA
Blasting	No blasting has been proposed. 11/08/07	None 11/08/07	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the staging area. 11/08/07</p> <p>Several bags of Max-Gel were torn and had spilled on the ground near the entrance to the staging area on the east side. 11/08/07</p>	<p>Continue to bring spill kits to active work sites. 11/08/07</p> <p>Although non-toxic, remove the spilled Max-Gel and use caution to prevent future spills and minimize unnecessary impacts. 11/08/07</p>	<p>NA</p> <p>Needs attention</p>
Additional Observations	None. 11/08/07	None. 11/08/07	NA

Next likely scheduled inspection:

Thursday, November 15, 2007

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, the drilling pit has been backfilled and the area has been stabilized with hay mulch. Flowable fill is being pumped into the boring (left). A frac tank on the west side staging area was being drained. The discharge was being directed into a protected catch basin. However, debris in the silt sack was causing the water to flow downstream to an unprotected catch basin (right).



The staging area on the east side of the river remains fairly stable. Silt fence has been partially removed from around the drilling pit. Drilling activities related to the first hole have been completed. The area where the silt fence was removed appears to be stable.

Several bags of Max-Gel were torn and had spilled on the ground near the entrance to the staging area.