

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 15, 2007

Inspector: Gregory Sommer

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

Rain Event: 0.54” of precipitation was reported since the previous inspection, with 0.31” of the total recorded on 11/9 and 0.18” on 11/13. (Bridgeport, CT NOAA data).

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access Roads and Adjacent Roadways</p> <p>Saugatuck River</p>	<p>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. Sediment tracking was not an issue. 11/15/07</p>	<p>Continue to maintain construction entrance to reduce sediment migration from the work area. Continue to sweep the parking lot area as necessary. 11/15/07</p>	<p>Needs regular attention.</p>
<p>Ash Creek</p>	<p>Steel plates remain in place on Riverside Avenue to help distribute vehicle loads over the boring 11/15/07</p>	<p>Continue to monitor the area. 11/15/07</p>	<p>NA at this time</p>
<p>Ash Creek</p>	<p>Temporary work zone/ lane closures have been set-up along Old Post Road near Ash Creek as crews prepare for the HDD. Catch basins have been protected. 11/15/07</p>	<p>Monitor the work area for tracking or slurry residue as activity increases. 11/15/07</p>	<p>Not Applicable (NA)</p>
<p>Vault Openings and Trench Construction</p> <p>Saugatuck River</p>	<p>The first of two bores between vault #14 to vault #15 under the Saugatuck River has been completed. Crews were pulling fishing wires. Final clean-up was also occurring in the river.</p>	<p>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</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Ash Creek	<p>Crews are awaiting geo-technical borings prior to beginning work on the second hole. 11/15/07</p> <p>Crews have begun excavation on the drilling pit on the southwest side of Ash Creek. A bentonite reclamation machine and drilling rig were on-site within the protected work zone along Old Post Rd. 11/15/07</p>	<p>pressure and making regular visual inspections in the river. 11/15/07</p> <p>None. 11/15/07</p>	NA
<p>Erosion and Sediment Controls</p> <p>Saugatuck River</p>	<p>Last week, the catch basin on the west side of the Saugatuck River was protected with a silt sack which had filled with debris. The silt sack was causing discharge water to flow downstream to an unprotected catch basin. This week, new silt sacks were installed in both catch basins. 11/15/07</p> <p>Any exposed soils have potential for airborne dust migration. Contractors are aware of the potential. Special attention should be given to the Saugatuck River (east side staging area) as the majority of the area is an exposed dirt surface and residences are nearby. 11/15/07</p> <p>Silt fence and haybales remain around the work area on the west side of the Saugatuck River. The drill pit has been backfilled and remains temporarily stabilized with hay mulch. 11/15/07</p> <p>Silt fence was previously removed from around the drilling pit on the east</p>	<p>Continue to maintain silt sacks by removing accumulated debris when needed. 11/15/07</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. 11/15/07</p> <p>Continue to monitor and maintain the controls to ensure they contain the area adequately. 11/15/07</p> <p>Continue to monitor and maintain the controls. Identify areas of potential</p>	<p>New silt sacks were installed in both catch basins.</p> <p>NA at this time</p> <p>NA at this time.</p> <p>The silt fence has been reinstalled around the drilling pit.</p>

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Ash Creek	<p>bank of the Saugatuck River. The silt fence has been reinstalled around the drilling pit area. 11/15/07</p> <p>Catch basins near Ash Creek have been protected and surrounded with haybales. 11/15/07</p>	<p>high flow or run-off and reinforce controls when necessary. Temporarily stabilize any remaining exposed soils were work will not return within 21 days. 11/15/07</p> <p>Place a gutter buddy (or similar) in any catch basins located down gradient of exposed soils to prevent sediment from entering basin. 11/15/07</p>	<p>Catch basin controls were installed proactively.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>One of the two drill holes that are part of the watercourse crossing of the Saugatuck River and associated wetlands in Westport has been completed. Work will continue here with the second drill site. Final clean-up of previously released material was occurring in the river. 11/15/07</p> <p>Excavation has recently started for the HDD of Ash Creek and associated wetlands in Fairfield and Bridgeport. Work has not occurred directly within wetlands and waterways yet. 11/15/07</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. 11/15/07</p> <p>Continue to implement the approved monitoring plan for the crossing of Ash Creek provided in the D&M plan in order to avoid impacts to the resource areas. 11/15/07</p>	<p>NA</p> <p>NA at this time</p>
Staging, Storage, and Parking Areas Saugatuck River	<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. 11/15/07</p> <p>A bentonite clay reclamation/ recycling</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. 11/15/07</p> <p>Continue to monitor area for sediment tracking</p>	<p>NA at this time.</p> <p>Tarps were used to cover equipment and</p>

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Ash Creek	<p>machine, remains within the staging area on the east side of the river. The machine and other stored materials have been temporarily covered with tarps while work is on hold. 11/15/07</p>	<p>sweep parking lot/ roadway as necessary. Minimize vehicle traffic in the staging area when feasible. 11/15/07</p>	<p>materials proactively.</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. 10/25-11/15/07 The contractor states a natural berm here will provide additional containment. 11/15/07</p>	<p>Wherever feasible, relocate hoses within the staging area, using the silt fence to protect surrounding areas from potential spills or leaks. 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. 10/25-11/15/07</p>	<p>Continue to monitor</p>
	<p>A temporary work zone has been established along Old Post Road near Ash Creek to accommodate the HDD activities. A bentonite reclamation machine is also set up here. 11/15/07</p>	<p>See erosion control section for more details. Contain all material within the established limits of the work zone. 11/15/07</p>	<p>NA at this time.</p>
Soils	<p>A work area with the drill rig and initial excavation was set up in a paved area on the southwest side of the creek. 11/15/07</p>	<p>Contain all material within the established limits of the work zone. 11/15/07</p>	<p>NA at this time.</p>
	<p>Soils are exposed as part of the drill set-up and excavation. Drilling slurry (bentonite clay) is used in the process. 11/15/07</p>	<p>Soils appear to be handled appropriately. Monitor for dust as previously indicated. 11/15/07</p>	<p>NA</p>
	<p>The drilling pit on the southwest side of Ash Creek was being excavated at the time of the inspection. 11/15/07</p>	<p>Continue to monitor the area and stabilize whenever feasible. 11/15/07</p>	<p>NA at this time.</p>

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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 9/18-11/15/07</p> <p>Shrubs were removed a few weeks ago from the west side of the river near sta. #234+50. 11/15/07</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. 11/15/07</p> <p>When work is completed, restore the area as indicated in the D&M plan. 11/15/07</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 installation process. 11/15/07	Continue to ensure that material is contained appropriately and treated according to the groundwater handling plan as referenced in the D&M. 11/15/07	NA
Blasting	No blasting has been proposed. 11/15/07	None 11/15/07	NA
Spills and Material Storage	<p>Reserve spill cleanup materials/kits were observed in the staging area. 11/15/07</p> <p>Slurry material was observed on the ground near a frac tank in the staging area on the east side of the Saugatuck River. 11/15/07</p> <p>Sand material has been stockpiled near the entrance to the staging area on the east side of the Saugatuck River. No controls are in place around the stockpile. 11/15/07</p>	<p>Continue to bring spill kits to active work sites. 11/15/07</p> <p>Remove and properly dispose of slurry material. 11/15/07</p> <p>Install erosion controls to properly contain the stockpiled material. 11/15/07</p>	<p>NA</p> <p>Needs attention.</p> <p>Needs attention.</p>

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	<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. 11/08-11/15/07</p>	<p>Although non-toxic, remove the spilled Max-Gel and use caution to prevent future spills and minimize unnecessary impacts. 11/08-11/15/07</p>	<p>Needs attention</p>
<p>Additional Observations</p>	<p>None. 11/15/07</p>	<p>None. 11/15/07</p>	<p>NA</p>

Next likely scheduled inspection: Wednesday, November 21, 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 remains temporarily stabilized with hay mulch. Final clean-up efforts are occurring in the river:



On the east side of the Saugatuck River, silt fence has been restored around the drilling pit, which provides proper containment.



Sandy material has been stockpiled near the entrance to the staging area on the east side of the Saugatuck River. Erosion controls were not in place but should be used to contain the stockpile.



Several bags of Max-Gel remain torn and spilled on the ground near the entrance to the staging area on the east side of the Saugatuck River. The bentonite reclamation machine and other stockpiled materials have proactively covered.



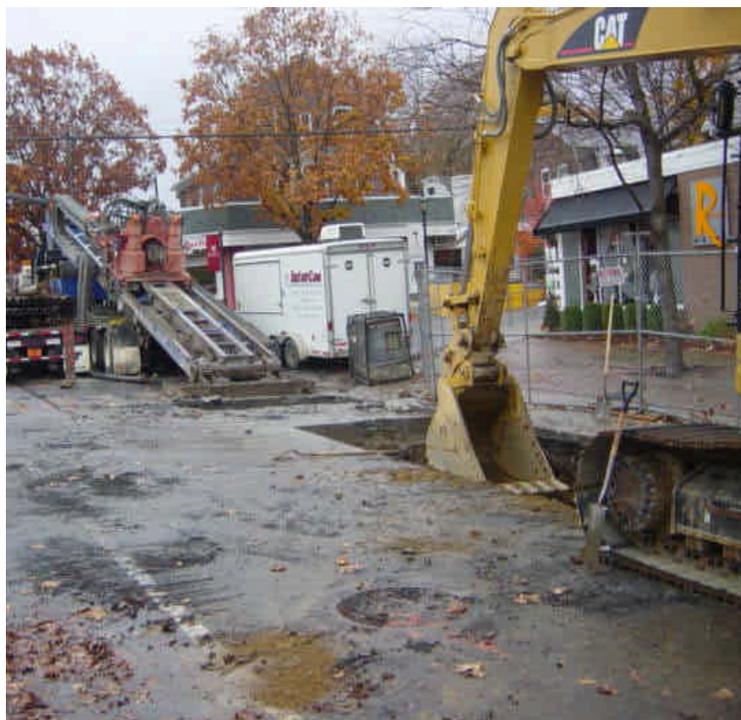
Slurry material has been discharged/spilled near the frac tank in the staging area on the east side of the Saugatuck River.



A bentonite reclamation machine has been set up along Old Post Road in preparation for drilling activities near Ash Creek.



Catch basins along Old Post Road/Fairfield Avenue have been proactively protected in preparation for drilling activities near Ash Creek.



Excavation has begun on the drilling pit on the southwest side of Ash Creek.