MODELING GROUND WATER FLOW BY A TRACER TECHNIQUE IN A TWO DIMENSIONAL SYSTEM

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ABSTRACT

This report describes the use of a fluorescent chemical tracer to measure the leakage of a failing septic field into a nearby stream. The example clearly demonstrates the advantage of this procedure over other available techniques. The results indicate hydraulic conduction in excess of assumed design standards and suggests that imposed criteria and corrective measures should be used in designing future waste disposal installations.