

Side-wall Absorption of Narrow and Deep On-site Wastewater Disposal Trenches. (S05-macfie085612-Oral)

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Abstract:

Onsite wastewater disposal (septic systems) are common in rural Georgia and the rapidly expanding suburban areas of Metro Atlanta. Most system use trenches for disposal and secondary treatment of the wastewater. This study looks at the distribution patterns of volumetric water movement through segments of saturated trench walls in narrow trenches, 0.35m wide, 2.0m long and 1.0m deep. Two different clayey Ultisols at three head pressure treatments of 0.15m, 0.45m, and 0.75.m in 1.0 meter deep trenches consist of a nonrestrictive Lloyd and a restrictive Cataula.

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