



USDA-CSREES 2007 National Water Quality Conference

[Water Softener Effects on Secondary Treatment systems](#)

The treatment performance of 18 AdvanTex® textile filter systems was evaluated at single-family homes in type II, III, and IV soils (ranging from sandy clay to clayey loam). Over a period of 18 months, more than 5000 data points were analyzed or calculated. The study included both new construction and replacement systems. All systems consistently produced high quality effluent meeting Virginia standards for carbonaceous 5-day biological oxygen demand (cBOD5), total suspended solids (TSS), and E. coli. Some of the systems received wastewater containing water softener regeneration brine. These systems did not perform as well, did not perform as consistently, and had performance that deteriorated over time compared with systems not receiving brine.

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