

**2013 Water Reuse Conference
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Session Title: Soil Aquifer Treatment and Recovery for Water Reuse

Abstract:

Rapid infiltration is a long-standing practice for land treatment of wastewater. By using the term soil aquifer treatment (SAT) and planning for the recovery and reuse of the treated water, rapid infiltration has become a treatment technology. Experience has shown that the use of intermittent applications followed by resting must be adhered to in the operation of RI systems. SAT systems can be designed for nutrient removal followed by seasonal storage and recovery for water reuse. They can also be designed to achieve the filtration and disinfection processes of conventional processes.

Professional Background:

Ron Crites, Brown and Caldwell's Natural Systems Service Leader, has 43 years of experience in wastewater treatment and water reuse. He is a Stanford graduate and the author of 4 textbooks. Ron was the recipient of the 2009 WEF Camp Medal for Applied Research in recognition of his invaluable contributions in the areas of applied research, planning and designs employing green and sustainable technologies.