

AMENDMENTS TO FILTRATION FOR IMPROVING WATER QUALITY TREATMENT



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Abstract

A recent nationwide study reports that most stormwater pollutants are approximately 45% dissolved. Stormwater filtration does not have a mechanism to consistently capture dissolved pollutants over the life-cycle of a treatment practice, and therefore a large portion of the pollutant load is entering our soils untreated. This presentation will discuss proven amendments for capturing dissolved pollutants including iron and compost. Data from laboratory and field studies will be shown and case studies of field applications will be examined.

Biography

Andy Erickson is a research fellow at St. Anthony Falls Laboratory and a registered professional engineer working with Professor John Gulliver on projects related to assessment and maintenance of stormwater treatment practices, developing of new stormwater treatment technologies, and modeling stormwater treatment practices.