



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: 2002AL4B

Title: Treatment of Heavy Metal-Contaminated Runoff Using Straw Coated with Sulfide

Project Type: Research

Focus Categories: Non Point Pollution, Water Quality, Surface Water

Keywords: Runoff, Heavy Metals, Iron, Straw, Sulfide

Start Date: 03/01/2002

End Date: 02/28/2003

Federal Funds: \$25,000

Non-Federal Matching Funds: \$50,001

Congressional District: Sixth

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Abstract

Runoff from construction sites, roofs, and roadways are known to contain heavy metals as trace contaminants, and can effect the bioecosystems near these runoff sites. Urban stormwater runoff has been recognized as a substantial source of pollutants to receiving waters such as heavy metals.

This proposal will seek to develop a low-cost technology to capture heavy metals from contaminated runoff, using straw that has been coated with sulfide compounds to bind the heavy metals to the straw.