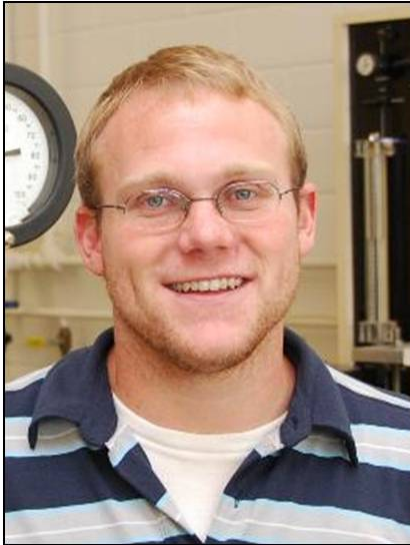


## Paul Schlicht



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**Email:** pdschlicht@wisc.edu

**Advisors:** Craig Benson and Jim Tinjum

**Previous Education:** B.S. in Geological Engineering from UW-Madison (2008)

**Title of Research Project:**

Effect of Soil Structure on the Hydraulic Properties of Landfill Cover Systems

**Graduate Program:** GLE

**Research Focus:**

Structures such as soil peds and fractures develop in the soil of landfill cover systems over time, which may decrease the effectiveness of the cover. Several test sites were constructed throughout the country for the Alternative Cover Assessment Program (ACAP) in order to study the affect of structure on these systems. This project will compare the initial saturated hydraulic conductivities and soil water characteristic curves of the various ACAP sites to field and lab test data taken approximately 5 years after construction. Saturated hydraulic conductivity tests and pressure plate tests will also be performed in the lab at different scales to determine the effect that scale has on accurately measuring the hydraulic properties.

**Outside Interests:**

Hiking, biking, traveling, playing guitar and banjo, and brewing beer