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Water, Environment and Health

# UNU-INWEH WATER HEALTH SEMINAR



Presents

**Dr David Blowes and Jessie Stimson**

**Date:** Jan 22<sup>nd</sup> 2007 @ 10:00 A.M.

**Location:** Council Chambers

Gilmour Hall 111

McMaster University, Hamilton, ON

**Free and Open to Public**

## **“Innovative Peri-Urban Sanitation Approach and linkages to Drinking Water quality”**

This presentation will discuss alternative septic system designs suitable for crowded peri-urban conditions to provide better sanitation conditions in developing countries. The approach involves the use of permeable, reactive-barrier technology to treat pathogens and nutrients, a novel approach using inexpensive, readily-available construction materials. While the technology is being piloted in Brazil, the methodology will be widely applicable. The development of an alternative septic system or *in situ* wastewater system that attenuates microbial contamination is an important step in improving shallow groundwater quality in poor communities in developing countries that depend on well water.

### **About the speaker:**

Dr. David Blowes is a Canada Research Chair. His research program includes detailed laboratory and field studies of sites of contaminated groundwater, development and application of numerical models and the development of innovative approaches to groundwater remediation.

### **Find out more at**

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