
University of Pennsylvania
Institute for Environmental Studies

presents

David Kargbo



U.S. Environmental Protection Agency
Environmental Assessment & Innovation Division

An innovative approach for screening contaminated sites for their threats to groundwater contamination

The speaker developed, for the EPA, a one-dimensional, steady-state, vadose-zone-contaminant, fate-and-transport tool to 1) screen contaminated sites that have potential to contaminate groundwater, and 2) provide preliminary remediation goals for those sites. The Soil Screening & Remediation Goals (SSRG) model provides estimates of the mean travel time for contaminants to arrive at the base of the vadose zone, the maximum groundwater concentration of those contaminants at a receptor location on the edge of the waste unit, and the maximum contaminant concentrations in soil that will not exceed a specified risk-based maximum-contaminant level in groundwater. The SSRG is a robust analytical tool that incorporates computational expediencies into the code, and therefore requires only minimal data input of common and easily measured geotechnical parameters.

Date: February 16, 2011

Time: NOON - 1:30 pm

Place: Carolyn Hoff Lynch Auditorium

On the Penn campus: Chemistry Building
34 & Spruce Sts. (enter on 34 St)

NO REGISTRATION REQUIRED

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NO FOOD OR DRINK PERMITTED IN THE AUDITORIUM
