

Use of Indicators for Monitoring Microbial Water Quality:

A Hands on Experience



April 11, 2008 Columbus, OH

Coordinated by Purdue University in conjunction
with the U.S. Geological Survey



Workshop Location

This workshop will be held at:

Ohio Water Microbiology Labora- tory

U.S Geological Survey
6480 Doubletree Avenue
Columbus, OH 43229

Topics to be Covered

- Overview of Recreational Water Regulations
- Analytical Methods for Bacterial Indicators
- Microbiological Sample Collection Methods
- Pathogens and Alternate Indicators
- Quality Assurance and Quality Control Procedures
- Rapid Methods and Microbial source Tracking Concepts

Workshop Overview

There are continuing concerns about our nation's water, since many water bodies do not meet water quality standards. In order to combat pollution - identification of biological contamination sources has become a major area of investigation. While direct detection of pathogens in the environment will provide evidence of their presence, this is a difficult task.

The purpose of this hands-on workshop is to provide current information on methods for recovery and tracking for professionals working in the area of biocriteria water monitoring. The workshop is unique in that it will be conducted as a hands-on exercise. By the end of the workshop, participants should have a working knowledge of the principal methods used in assessment of microbiology and water quality.



Workshop Speakers

Rebecca Bushon
U.S. Geological Survey
Columbus, OH

Von Sigler
Department of Earth, Ecological and
Environmental Sciences
Toledo University

Don Stoeckel
U.S. Geological Survey
Columbus, OH

Amie Brady
U.S. Geological Survey
Columbus, OH

Chris Kephart
U.S. Geological Survey
Columbus, OH

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Registration

Registration will be required for this workshop in order to provide adequate quantity of workshop materials. Enrollment for this workshop is limited to 28 participants and it will be accepted in a first-come first-served basis.

The cost of this workshop is \$100.00 and lunch will be provided.

How to register

Register ONLINE via the EPI-Net website at: <http://www.epi-net.org/eng/registration.html>

Please register by **March 28, 2008**

Intended Audience

This workshop is designed for professionals with various levels of experience working in the area of water monitoring, particularly those who are actively involved in microbiological monitoring projects.

These include:

- Consultants
- Government officials
- Water scientists
- Ecologists
- Environmental scientists
- Beach coordinators
- Beach managers
- Others in related areas



Hotel Accommodations

We recommend:

Crowne Plaza Hotel
6500 Doubletree Ave
Columbus, OH 43229
Reservations: 1-800-496-7621
Front Desk: 614-885-1885

Also there are several hotel establishments available in the Columbus area. Participants are responsible for making their own hotel reservations.

<http://www.experiencecolumbus.com/stay-here.cfm>

Parking

Parking is free of cost at the USGS parking. There is also free parking at the Crowne Plaza hotel (next to the USGS building).

Meeting Agenda

Registration for the workshop will start at 8:00 a.m. The workshop will run from 8:30 a.m. – 4:30 p.m. Workshop notebook materials will be provided

Sponsors



Contact Information

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EPI-Net
Environmental Pathogens Information Network

www.epi-net.org