

Pathogen Workshop Series



Image: EPA GLNPO

Public Lecture by Dr. John Griffith, Southern California Coastal Research Project and Jill Lis, Cuyahoga County Health Dept.

Date: Friday, May 11, 2007

Time: 9:00-10:30 am (coffee at 8:30)

Location: Annis Water Resources Institute, Muskegon

Webcast: wmsu.org

This is the final lecture in a series of seminars focusing on pathogen issues in Michigan. For more information on the series please visit the Center for Water Sciences website at

cws.msu.edu

Questions? Contact Dr. Erin Dreelin
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Tools & Techniques

Dr. Griffith will describe the role of the Southern California Coastal Water Research Project (SCCWRP) in providing independent scientific data, scientific expertise, and a neutral forum for decision-makers, scientists and the public to come together and discuss complex issues surrounding the marine environment. He will focus on recent efforts to identify, develop and implement new rapid methods for beach water quality monitoring in California.

Jill Lis will discuss recently-developed predictive models for Lake Erie beaches. The explanatory variables used in the models were turbidity, rainfall, wave height, water temperature, day of the year wind direction, and lake level. Two types of output were produced from the models: the predicted *Escherichia coli* (*E. coli*) concentration and the probability of exceeding the bathing-water standard.

About the Speakers

John Griffith is a marine microbiologist that specializes in the development and testing of methods to detect and identify sources of fecal contamination and human pathogenic viruses in the marine environment. Dr. Griffith joined the Southern California Coastal Water Research Project in 2001. He earned his Ph.D. in Marine Environmental Biology at the University of Southern California, where his dissertation research focused on indicators of fecal contamination in near-shore marine waters.

Jill Lis is a Supervisor in the Environmental Health Service Area of the Cuyahoga County Board of Health in Parma, Ohio. She received her B.S. in Environmental Health from Bowling Green State University in Bowling Green, Ohio. She has been working as a Registered Sanitarian with the Board of Health since 1992 and oversees the Bathing Beach Monitoring and Public Notification Program, in addition to several other water quality programs.

