

INDIANA WATER RESOURCES ASSOCIATION SYMPOSIUM
 WATER QUALITY AND WATER RIGHTS IN THE MIDWEST:
 CONVERGING REGULATION, TECHNOLOGY, AND DEMAND
 POKAGON STATE PARK
 ANGOLA, INDIANA
 JUNE 19-21, 2002

WEDNESDAY, JUNE 19, 2002

10:00 Business Meeting
 11:30 Registration
 12:30 **OPENING AND WELCOME**
 Jack Wittman, WHPA, Inc.
 2002 IWRA President

SESSION A: Trends and Priorities in Water Resource Regulations: How does science inform regulation?
Moderator Jack Wittman

12:35 Keynote Address
 USGS NAWQA Project: How Coordinated Regional Surveys Can Help Identify Large Scale Water Quality Problems
 Bill Wilber, USGS

1:15 Indiana Geological Survey Regional Mapping Program - Hydrological Data in the State
 Tracy Branam, IGS

1:35 The Impacts of Changing Regulations on IDEM's Water Quality Grants Program
 Jill Reinhart, IDEM

1:55 IDNR Water Resources Basin Investigations: How to Present a Useful Data Product
 Judith Beatty, IDNR

2:15 Indiana's New MS4 Stormwater Regulations
 Lori Gates, IDEM

2:35 MS4 Regulation Impact on Local Communities
 Todd Stevenson, Monroe County Engineer

2:55 Cooling Water Intake Structures: New Federal Regulations
 Claudio Ternieden, IDEM

3:15 **BREAK**

3:30 Panel Discussion: Trends and Priorities in Water Resource Regulations

4:30 **Adjourn**

5:30 **Hospitality Hour**

7:00 **Banquet**
 Wilber-Zogorski Leadership Awards
 Presentation: Planning for Water Resources in the Future, The Confluence of Environmental Concerns and Humans Needs in a Changing Environment
 Speaker: Richard Palmer, PhD
 Water Resources Engineering and Hydrology
 University of Washington

THURSDAY, JUNE 20, 2002

7:30 Registration

SESSION B: Water Demand in Indiana: Who uses it now and how do we protect our future?
Moderator: Martha Clark, IDEM

8:30 Great Lakes Water: Market Commodity or Regional Oddity, Protecting the Resource into the Future
 Kathy Luther, IDEM

8:45 Meeting Water Supply Demands in Central Indiana: Forecasting Growth and Insuring Adequate Supplies for the Next Fifty Years
 Paul Johnson, Indianapolis Water Company

9:05 Meeting Future Demand While Maintaining High Water Quality in Valparaiso, IN
 Ken Luther, Valparaiso University

9:20 Current and Future Water Demands for Agriculture in Indiana: Balancing Growth
 Brian Daggy, Indiana Farm Bureau

9:35 Recreational Uses of Indiana Lakes
 Bill Jones, Indiana University

9:50 Indiana Water Use Licensing
 Mark Basch, IDNR

10:10 **BREAK**

10:30 Panel Discussion: Water Demand

11:30 **LUNCH (On your Own)**

SESSION C: New Technology and Scientific Research
Moderator: Greg Lindsey, IUPUI

1:00 Monitoring Low Level Mercury for a TMDL in the Grand Calumet River and Lake Michigan
 Marty Risch, USGS

1:20 Sherlock Holmes and the Great Groundwater Mystery
 John Mundell, Mundell and Associates

1:40 Examples of the Use of Field QC Samples in Water Quality Assessments
 Jeff Martin, USGS

2:00 Watershed Scale Assessments of E. coli Contamination Implications of Source Identification for Public Policy Debate
 Ronald F. Turco, Purdue University

2:20 Assessing the Long Term Impacts of an Agricultural Watershed Project: Black Creek 20 Years Later
 Jane Frankenberger, Purdue University

2:40 Identification of Off-Site Contaminant Sources Using Groundwater Modeling and Temporary Monitoring Wells
 Jim Berndt, Mundell and Associates

3:00 **BREAK**

3:30 Panel Discussion: Technology and Science

4:30 **Adjourn**

5:30 **Hospitality Hour**

6:30 **Barbeque**

FRIDAY, JUNE 21, 2002

SESSION D: The Water Quality-Quantity Relationship: Regulatory and Legal Trends
Moderator: Robert Fischman, IU School of Law

8:30 Hot Topics on Water Quality-Quantity Issues at the Federal Level
 Beth Harvey, Barnes and Thornburg

9:00 State Policy Challenges in Managing Water Quality-Quantity Issues
 Bill Beranek, Indiana Environmental Institute

9:30 Trends in Groundwater Management and How They Connect to Water Quality
 Mark Basch, IDNR

10:00 The TMDL Approach in Indiana and What It Means for the Quality-Quantity Connection
 Cyndi Wagner, IDEM

10:30 National Trends in TMDL Implementation and the Water Quantity Connection
 Bruce Cleland, American's Clean Water Foundation

11:00 Panel Discussion: The Water Quality-Quantity Relationship: Regulatory and Legal Trends

12:00 **ADJOURN**

Registration Information on next page

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GENERAL INFORMATION

Conference Registration Fee: \$85.00
Includes Banquet, Barbeque, Refreshments

Received by June 8, 2002

IWRA Member: \$85.00
Non-member: \$95.00
Student: \$40.00

Received after June 8, 2002

AWRA Member: \$100.00
Non-member: \$110.00
Student: \$50.00

Single Day Registration: \$60.00
Guest for Banquet: \$16.00
Guest for Barbeque: \$16.00

Lodging: Participants are responsible for their own
reservations. Contact the Potawatomi Inn Toll Free:
877-768-2928

Additional lodging can be found nearby in Angola.
For more information about the symposium, please contact
Jack Wittman, IWRA President at 812/333-9399.

REGISTRATION

NAME: _____

ADDRESS: _____

COMPANY: _____

E-MAIL: _____

AMOUNT ENCLOSED: _____

Please make checks payable to:
INDIANA WATER RESOURCES ASSOCIATION

Mail To:
IWRA Symposium Committee
8332 Trace Circle
Indianapolis, IN 46260