

INDIANA WATER RESOURCES ASSOCIATION  
SPRING SYMPOSIUM  
**IMPROVING AND PROTECTING WATER QUALITY:  
ASSESSMENT, REGULATION AND POLICY**

June 14-16, 2000  
SPRING MILL STATE PARK  
MITCHELL, INDIANA

**WEDNESDAY, JUNE 14, 2000**

**10:00** Business Meeting  
**11:30** Registration  
**12:30** OPENING AND WELCOME  
Cyndi Wagner, IDEM  
2000 IWRA President  
Session A Moderator: Cyndi Wagner, IDEM  
**12:45** An Overview of the Proposed TMDL Regulations  
Kevin Kratt, Tetra Tech, Inc.  
**1:15** Indian Lakes Chain TMDL for Phosphorus  
Greg R. Bright, Commonwealth Biomonitoring  
**1:45** The Grand Calumet River TMDL  
Ajit Vaidya, USACOE, Chicago District  
**2:15** An Overview of Comprehensive Watershed  
Assessment Results for Indiana Surface Waters - 2000  
Linda Schmidt, IDEM  
**2:45** BREAK  
**3:15** A Strategy for Assessing the Surface Waters of the  
State  
Art Garceau, IDEM  
**3:45** Section 319 Nonpoint Source Grant Program for Promoting  
and Assisting Watershed Management and Protection  
Wes Stone, IDEM  
**4:30** Development and Validation of a Watershed Assessment  
Tool  
Alyson Faulkenburg and Jane Frankenberger, PhD, Purdue  
University  
**6:00** Hospitality Hour  
**7:00** Banquet  
Speaker: Noel Krothe, PhD, Indiana University  
*Historical, Present and Future Research in Karst Areas, Our  
Understanding of Flow and Contaminant Transport*

**THURSDAY, JUNE 15, 2000**

**7:30** Registration  
Session B Moderator: Wes Stone, IDEM  
**8:30** KEYNOTE SPEAKER  
Lori Kaplan, IDEM Commissioner  
**9:00** The White River Incident  
Matt Rueff, IDEM Assistant Commissioner for the Office of  
Water Management  
**9:30** Chemicals, Confusion and Communication: How an  
Advocacy Group Became Involved In the White River  
Incident  
Kevin Hardie, Friends of White River  
**10:00** BREAK  
**10:30** An Assessment of Pesticide Concentrations in the Upper  
Wabash River Basin  
Ryan McDuffee, IDEM  
**11:00** Use of Field Quality-Control-Samples in Determining the  
Quality of Pesticide Data Collected for the USGS NAWQA  
Program  
Jeff Martin, USGS  
**11:30** Determination of Trace Metals in Ambient Waters at  
Water Quality Criteria Levels Using Ultra-Clean  
Techniques  
Syed M. GhiasUddin, PhD, IDEM  
**12:00** LUNCH (On your Own)  
**CONCURRENT SESSION: SURFACE WATER**  
Moderator: Jan Henley, IDEM  
**1:00** Preserving Riparian Wetlands by Augmenting the Cowardin  
Identification Method  
Robert J. Houghtalen, PhD, Rose-Hulman Institute of  
Technology

- 1:30**      **The Marion County Health Department's Benthic Macroinvertebrate Project**  
Joe Ketterman, Marion County Health Department
- 2:00**      ***Escherichia coli* in the Indiana Environment**  
Ronald F. Turco, PhD, Purdue University
- 2:30**      **Combined Sewers in Indiana: Environmental Impact Analysis of SEA 431**  
Reggie Baker, IDEM
- 3:00**      **BREAK**
- 3:30**      **New Wetlands Regulations**  
Andrew Peloso, IDEM
- 4:00**      **Controlling Erosion on Developing Lands**  
Mark Goldsmith, IDNR

**CONCURRENT SESSION: GROUNDWATER**

Moderator: Jack Wittman, WHPA

- 1:00**      **A New Tool for Organizing and Managing IDNR Hydrogeologic Data**  
Jack Wittman, PhD, Wittman Hydro Planning Associates, Inc.
- 1:30**      **Use of Borehole and Surface Geophysics to Investigate Ground-Water Quality Near a Road-Deicing Salt-Storage Facility**  
Martin R. Risch, USGS
- 2:00**      **Capture Zone Analysis For Valparaiso, IN: WhAEM vs. MODFLOW**  
Ken Luther, PhD, Valparaiso University
- 2:30**      **Effective Management of Wellhead Protection Areas**  
John A. Mundell, Mundell & Associates, Inc.
- 3:00**      **BREAK**
- 3:30**      **Capture Zone Delineation: Are Simple Methods Adequate?**  
Henk Haitjema, PhD, Indiana University
- 4:00**      **Indiana's Ground Water Quality Standards**  
Martha Clark, IDEM
- 4:30**      **Source Water Assessment Program**  
Lance Mabry, IDEM
- 5:30**      **Hospitality Hour**
- 6:30**      **Barbeque**

**FRIDAY, JUNE 16, 2000**

Moderator: Tim Kroeker, IDNR

- 8:30**      **Preliminary Study of the Distribution and Source(s) of Nitrate in Streams and Shallow Groundwater in the Fall Fork Drainage Basin, Southeastern Indiana**  
Heyo Van Iten, Hanover College

- 9:00**      **An Overview of the Indiana Department of Natural Resources Contaminants Program**  
Betsy Nightingale, IDNR
- 9:30**      **Understanding Wet Weather Regulations and Policies**  
Trent K. English, Lawson-Fisher Associates, P.C.
- 10:00**      **BREAK**
- 10:30**      **The Lake Michigan Mass Balance Study and Implications for the Lakewide Area Management Plan**  
Kathy Luther, IDEM
- 11:00**      **Assessing The Long-Term Hydrologic Impacts Of Land Use Change**  
Shilpam Pandey, Purdue University
- 11:30**      **Combined Sewer Overflows and Environmental Justice**  
Tom Neltner, Improving Kids' Environment
- 12:00**      **ADJOURN**

**GENERAL INFORMATION**

**Registration Fee:**

Includes Banquet, Barbeque, refreshments, and a copy of the proceedings.

**Received by June 1, 2000**

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

**Received after June 1, 2000**

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

Single Day Registration:	\$60.00
Guest for Banquet:	\$12.00
Guest for Barbeque:	\$10.00

Lodging: Participants are responsible for their own reservations. A block of rooms has been reserved at the Spring Mill Inn only until **June 1, 2000**.

Telephone Toll Free: 877-9-SPRING

Rates: Doubles and Kings	\$75.00
Singles	\$65.00

Additional lodging can be found nearby in Bedford and Mitchell.

For more information about the symposium, please contact Cyndi Wagner, IWRA President at 317/308-3214.

**INDIANA WATER RESOURCES ASSOCIATION SYMPOSIUM  
SPRING MILL STATE PARK**

NAME: \_\_\_\_\_

ORGANIZATION / COMPANY: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ E-MAIL: \_\_\_\_\_ AMOUNT ENCLOSED: \_\_\_\_\_

Fees: Received by June 1, 2000:	\$85 Member	\$95 Non-member	\$40 Student
Received after June 1, 2000:	\$100 Member	\$110 Non-member	\$50 Student
Single Day:	\$60		
Banquet Guest:	\$12		
Barbeque Guest:	\$10		

**MAKE CHECKS PAYABLE TO: Indiana Water Resources Association**

Return Registration and Fees to: **IWRA Symposium Committee, 522 E. 56<sup>th</sup> Street, Indianapolis, IN 46220.**