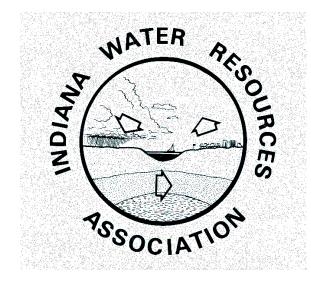
# IWRA Symposium Committee 8204 Claridge Road Indianapolis, IN 46260-4914

Twenty-Sixth Annual Indiana Water Resources Association Conference and Field Trip

Brine Injection from Oil and Gas Production, and Other Water Resource Issues for Southwest Indiana

New Harmony Inn & Conference Center New Harmony, Indiana June 15-17, 2005



### www.valpo.edu/organization/xiwra

#### WEDNESDAY, JUNE 15, 2005

#### 12:00 Registration

- 1:00 Opening and Welcome Phil Ward, GES 2005 IWRA President
- 1:10 Water Resources and the Geologic Setting of the New Harmony, Indiana Area Dr. Norm King, University of Southern Indiana
- 1:40 Overview of the IDNR Division of Oil and Gas Brine Injection Program Mary Estrada and Denny Allison, IDNR
- 2:10 Protection of Water Resources -IDNR Division of Oil and Gas Orphan Well Plugging Program Mary Estrada, IDNR

#### 2:40 BREAK

- 3:00 January 2005 Flooding Indiana Al Shipe, NOAA and Scott Morlock, USGS
- 3:30 January 2005 Flooding New Harmony Area Mary Lamm, NOAA, Paducah, KY
- 4:00 New Harmony, Indiana A History Dr. Thomas Straw, Western Michigan University, retired
- 6:00 Cash Bar/Poster Session Bayou Room
- 6:30 Banquet

Guest speaker: Dr. Paul Doss, Department Chairman, Geology and Physics, University of Southern Indiana, **"Water Resources of Yellowstone National Park"**  THURSDAY, JUNE 16, 2005

(Breakfast - on your own)

- 8:30 Bus leaves hotel
- 9:00 Brine Injection Inspection Denny Allison IDNR Division of Oil and Gas
- 10:30 Orphan Well Plugging Mary Estrada IDNR Division of Oil and Gas
- 11:30 USGS Doppler Boat Demonstration Scott Morlock, USGS
- Lunch (box lunch provided) Harmonie State Park, Boat Ramp Picnic Area
- 2:00 Tour of New Harmony's recently constructed wastewater treatment plant
   Dr. Thomas Straw, Western Michigan
   University, retired

  4:00 Demonstration of new stream gage
   technology
   Scott Morlock, USGS
  5:00 Arrive back at hotel
- 6:00 Picnic Under the Tent
- 7:30 Spring Business Meeting All members and friends are welcome
- 8:30 Hospitality Hour

Note: All times are referenced to Evansville, Indiana time (currently Central time).

#### FRIDAY, JUNE 17, 2005

(Breakfast - on your own)

## 8:30-11:30 Walking Tour of Historic New Harmony

Dr. Thomas Straw, Western Michigan University, retired.

New Harmony was the site of two of America's great utopian communities. The first, Harmonie on the Wabash (1814-1824), was founded by the Harmony Society, which consisted of a group of Separatists from the German Lutheran Church, In 1814, led by their charismatic leader Johann Georg Rapp, they left their first American home, located in Harmonie. PA and settled in Indiana's lower Wabash Valley. This western frontier gave them the opportunity to acquire a much larger tract of land. The Harmonists moved back to Pennsylvania in 1825 and built the town of Economy near Pittsburgh, Robert Owen, a Welsh-born industrialist and social philosopher, bought their Indiana town and the surrounding lands for his communitarian experiment.

New Harmony was also the site of the early headquarters of the U.S. Geological Survey and provided the earliest geological and natural science collections for the beginnings of the Smithsonian Institute. David Dale Owen turned to geology under the influence of William Maclure. From 1830 until 1860 New Harmony was one of the most important training and research centers for the study of geology in America. Historic New Harmony is a Unified Program of the University of Southern Indiana and the Division of Indiana State Museums & Historic Sites

#### GENERAL INFORMATION

**Registration Fee:** 

Includes Wednesday Banquet, Thursday box lunch, bus transportation. Thursday evening meal and entertainment, and refreshments!

Received by June	1, 2005
IWRA Member:	\$100.00
Non-member:	\$120.00
Student:	\$45.00
Received after Jun	e 1, 2005
IWRA Member:	\$115.00
Non-member:	\$135.00
Student:	\$55.00
	*
Single Day Registration:	\$65.00
Guest for Banquet:	\$30.00
Guest for Thursday dinner:	\$30.00

Lodging: Participants are responsible for their own reservations. A block of rooms has been reserved for IWRA until May 15. 2005 at the New Harmony Inn & Conference Center, 504 North Street. Don't procrastinate!!!

4431
\$70.00
\$80.00

For more information about the field trip, please contact Phil Ward, IWRA President at 317-876-0357 or visit our web site: www.valpo.edu/organization/xiwra

#### Important items of note:

The bus we'll use on the Thursday fieldtrip has room for 50 passengers. Only the first 50 people who register for the conference are guaranteed seating. Those who register later must arrange their own transportation and follow the bus in a private vehicle. We'll attempt to contact those for whom seating is not guaranteed to ensure that you still wish to attend. So be sure to include a daytime phone number on your registration form.

Remember your boots and rain gear, or think positive and bring a hat and sun block.

Please circle the appropriate fees on the registration form. Your 2005 IWRA membership status is shown on the mailing label of this announcement. Contact Jeff Martin (317) 290-3333 ext. 148 for questions about IWRA memberships.

The New Harmony Inn and Conference Center is located on the north side of New Harmony on North Street.

This is the twenty-sixth annual Indiana Water Resources Association Symposium. IWRA is a scientific and educational not-for-profit organization established to encourage interdisciplinary communication between persons working in all aspects of water resources. IWRA is an affiliate of the American Water Resources Association.

Name:	Indiana Water Resources Association Symposium      Indiana Water Resources Association Symposium      Name:    Daytime Phone:      Organization/Company:
I plan to ride the bus on Th	I plan to ride the bus on Thursday fieldtrip: yes no I plan to attend the Thursday Dinner: yes no
Return regi	Make checks payable to: Indiana Water Resources Association Return registration and fees to: IWRA Symposium Committee, 8204 Claridge Road, Indianapolis, IN 46260-4914