

# Indiana Section American Water Works Association



in conjunction with

Indiana Rural Water Association

and

Indiana American Backflow Prevention Association



## AWWA SMALL SYSTEMS COMMITTEE

Odetta Cadwell, Committee Chair  
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317-773-2497 — Office

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317-457-5563 - Office

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Indiana-American-Kokomo  
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Randy Wynn  
City of Rochester  
574-223-3412

## BACKFLOW PREVENTION and CROSS CONNECTION CONTROL

### FEES, TIME and LOCATION:

**Registration fees:** \$40 for AWWA, IRWA, or InABPA members; \$80 for non-members

**Time:** Registration: 8:00am (local time) — Workshop: 8:30am—12:30pm

**Locations:** **October 7, 2014 — Bloomington Water Utility**  
600 East Miller Drive; Bloomington, IN 47401

**October 8, 2014 — Valparaiso Water Utility**  
205 Billings Street; Valparaiso, IN 46383

**October 9, 2014 — Ft. Wayne Water Utility**  
Trine University Medical Campus; 1819 Carew St; Ft. Wayne, IN 46805

**Presenters:** **James Probst; InABPA and Test Gauge & Backflow Supply Co.**  
**Mark Hancock; Indiana Dept of Environmental Management**  
**Tony Unfried; ArchonSafe**  
**Brock Smith; New Tech Marketing**  
**Representatives from Utilities Utilizing Backflow Programs**



### REGISTRATION

### BACKFLOW PREVENTION/CROSS CONNECTION CONTROL

**Date:** \_\_\_\_\_ **Location Attending:** \_\_\_\_\_

System/Company Name \_\_\_\_\_

Representative \_\_\_\_\_ Position \_\_\_\_\_  
(Please send in one registration form for each person attending.)

Address \_\_\_\_\_

City/St/Zip \_\_\_\_\_ County \_\_\_\_\_

Tel ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

E-mail \_\_\_\_\_ **Fee Due \$** \_\_\_\_\_

Member of?  AWWA  IRWA  InABPA  Neither

Check Enclosed  Pay on Site  Bill Us (PO# \_\_\_\_\_)  Credit Card

CREDIT CARD: Visa \_\_\_\_\_ MC \_\_\_\_\_ Discover \_\_\_\_\_ American Express \_\_\_\_\_

# \_\_\_\_\_ Exp.: \_\_\_\_\_ - \_\_\_\_\_

NAME ON CARD: \_\_\_\_\_ Security Code: \_\_\_\_\_

SIGNATURE \_\_\_\_\_

### REGISTER:

OnLine: [www.inawwa.org](http://www.inawwa.org)

Fax: 866-215-5966

### Mail:

Indiana Section AWWA  
5265 East 82nd St, Suite 310  
Indianapolis, IN 46250



*Indiana Section*  
**American Water Works Association**  
*in conjunction with*  
**Indiana Rural Water Association**  
*and*  
**Indiana American Backflow Prevention Association**  
*presents*

*Contact Hours Available*  
*IDEM Approval Pending:*  
*4 Water and 4 Wastewater*  
*contact hours*

## **BACKFLOW PREVENTION and CROSS CONNECTION CONTROL**

### *New Advances in Cross Connection Control Management*

1. Using Technology to Make CCC programs more compliant and efficient.
2. Mobile Technology in the Field
3. Cloud Based Systems

### *Indiana State Cross Connection Control Program*

1. CCC Regulatory Updates
2. Utility Requirements

### *Backflow Assemblies Component Parts*

1. Reduced Pressure Principle Assembly
2. Double Check Valve Assembly
3. Pressure Vacuum and Spill Resistant Vacuum Breakers

### *Isolation Backflow Assembly Protection*

1. Internal Protection at Fixtures or Appliance for End Users      Protecting
2. Types of Backflow Preventers Employed for Isolation Protection

### *Containment Backflow Assembly Protection*

1. Backflow Prevention as Containment on the Distribution System
2. Types of Testable Backflow Preventers Employed at the Service Connection

### *Proper Installation To Ensure Commensurate Protection Against Posed Degree of Hazard*

1. Reduced Pressure Principle Assembly
2. Double Check Valve Assembly
3. Pressure Vacuum Breaker
4. Spill Proof Vacuum Breaker
5. Atmospheric Vacuum Breaker
6. Air Gaps
7. Barometric Loops

### *Examples of Improper Backflow Installations*

1. Connected to Secondary Source
2. Incomplete Backflow Assembly
3. Modified Backflow Assembly
4. Improper Orientation of Backflow Assembly
5. Hazardous Install of Backflow Assembly
6. Understanding A Backflow Pressure Differential Gauge

AWWA, Indiana Section  
5265 East 82nd Street, Ste. 310  
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Return Service Requested