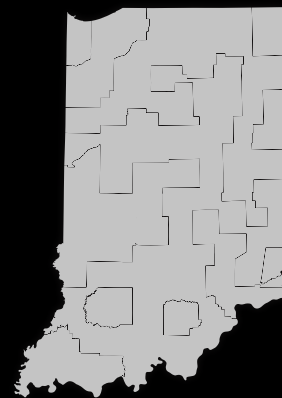


HOOOSIER PIPELINE

WINTER/SPRING 2015



The official publication of the Alliance of Indiana Rural Water

ALLIANCE OF INDIANA RURAL WATER

MISSION:
Possible



2015 SPRING CONFERENCE

MARCH 18 & 19, 2015
FRENCH LICK RESORT & CASINO

8670 WEST STATE ROAD 56
FRENCH LICK, INDIANA

Alliance of Indiana Rural Water
P.O. Box 789, Franklin, IN 46131
Address service requested

INSIDE: WHAT IS WATERPAC | LAB QUALITY CONTROL | FALL CONFERENCE RECAP

Covalen
#8
fp - 4c
ifc

Frakes Engineering Inc
#10
fp - 4c
opp ifc

Commonwealth Engineers

#23

fp -4c

opp TOC



Published for Alliance of Indiana Rural Water
555 W. Jefferson St., Franklin, IN 46131
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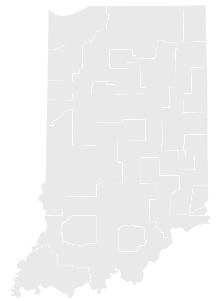
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HOOOSIER PIPELINE

WINTER/SPRING 2015



The official publication of the Alliance of Indiana Rural Water

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ON THE COVER: Photo by George Kane, Town of Yorktown.



Xylem Inc - Godwin Pumps
#37
fp -4c
opp pres msg.



Dave Seacat
Alliance Board President
Ramsey Water Co., Inc.

Planning Ahead

The Alliance has many training opportunities scheduled for 2015. The training calendar has been prepared and is an excellent tool for planning ahead. If you need an additional copy, be sure to contact the office, or ask for one from your circuit rider.

We are excited to be returning to the French Lick Resort on March 18 and 19 for the Spring Conference and to the Grand Wayne Convention Center in Fort Wayne on August 26 and 27 for the Fall Conference.

One of the highlights of the Spring Conference will be the awards luncheon. The Alliance will recognize and present awards to outstanding water and wastewater professionals who are nominated and then selected based on specific criteria for various categories. The Alliance will also award four \$1,500 scholarships at the luncheon. To be eligible to apply for one of the scholarships, applicants must be a resident of the state of Indiana and the dependent child of someone employed by a voting member system.

During 2015, there will be noticeable change. Board Member Frank Pouliot has moved onto warmer pastures in the state of Hawaii. Finance Director Leigh Ann Cross accepted a position with an accounting services company in Indianapolis. The Alliance is a better organization for having had the expertise of both Frank and Leigh Ann. I wish them both the best.

At the same time, I wish each and every one of you a happy and successful 2015 and hope to see you at one of the Alliance events this year. ★

Hydro International
#7
1/2h - 4c
(1st half, bottom rhp)

S&K Equipment
#44
fp -4c
pg.8 opp exec dir



Connie Stevens
Executive Director

Changes and Transitions

It is often said that “the only constant in life is change” and how we react to that change sets the tone for how we move forward. As most of you know, the Alliance of Indiana Rural Water has gone through some changes lately. We want to wish Leigh Ann Cross and Frank Pouliot the very best as they step into the next adventure in their lives.

Leigh Ann has been the Financial Director/Assistant ED for AIRW for the past 11 years. She said it was her first ‘real’ job when she got out of college and she has learned so much from this organization. We were fortunate to have her for those years. I believe it has been a very good relationship for both the Alliance and Leigh Ann.

We are not letting her get too far away just yet, for she is helping us with the transition period. With Leigh Ann’s input, we have hired a new Accounting Director to join the Alliance team. Please help us welcome Amanda Rush to the water/wastewater industry.

Another change is Frank Pouliot who was the Manager for Ellis Water for 17 years and served on the Alliance Board of Directors for eight years. He brought many ideas, challenges, encouragement and inspiration to our membership. Frank and his lovely wife Lisa had the opportunity to move to Hawaii and they chose to take advantage of it. I think most of us would have jumped at that chance! We are hoping they will have a spare room for us to visit after they are settled in. Meanwhile, the Alliance Board of Directors appointed Todd Williams from Huntingburg Municipal Utilities to finish Frank’s term, which ends December 31, 2015.

Other changes throughout our industry come with the retirement of so many: Mary Lou Schnell from Midwestern Engineers, Charlie Barker from EJP, several from the Indiana Department of Environmental Management just to name a few. These people made a real difference in the water and wastewater industry.

Now, someone else must step into those shoes and move forward.

Is your utility experiencing a loss of many years of experience due to retirement? Do you have a younger generation stepping up to fill these crucial positions? If you are fortunate enough to have a younger professional be a part of your team, hang on to them. They will be in high demand. The number of certified Water or Wastewater Specialists to fill the retirement void is very low.

Whether we like it or not change is inevitable. How we handle it can strengthen, weaken or stabilize our teams. Let’s work together to make our utilities stronger.

The Alliance of Indiana Rural Water will continue to work hard to train, encourage, mentor, network or do whatever we need to do to help this membership of utilities achieve their goals and needs. Never hesitate to contact us if you have a need, or if you want to share ideas to improve our membership. ★

Huber Technology

#3

1/4b - 4c

(exec msg)



2014 Fall Conference Recap



This year's Fall Conference was held at the beautiful Grand Wayne Convention Center in Fort Wayne. The conference was attended by **288 people**, representing **96 different utilities**, and **56 different vendor companies**. More than 150 of those people downloaded our conference mobile app – which turned out to be a huge success.

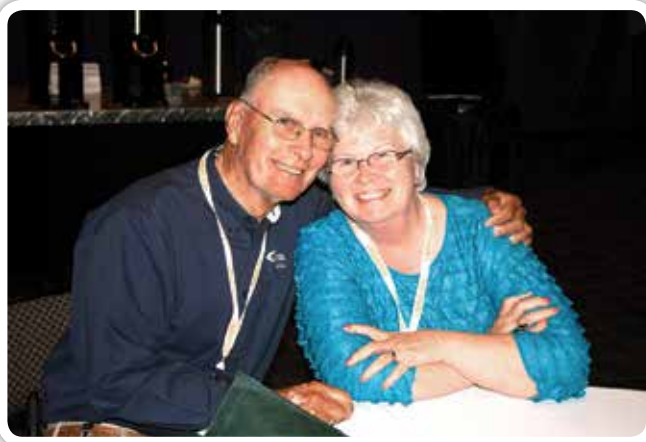
Thank you
to everyone who attended,
spoke, displayed and sponsored.

We offered up to 10 technical continuing education unit (CEU) hours for water and wastewater and even managed to have lots of fun. From the clay shoot and the 'pre-conference' dinner, to the live music, poker run and exhibitor bingo – this conference was truly an experience. Thank you to everyone who attended, spoke, displayed and sponsored.

Some exhibitors agreed to pool their donations to the Sportsman's Raffle for a larger prize. The Raffle Committee decided to purchase a 65" Big Screen Smart TV to raffle during the conference. The lucky winner was Tom Speer of the City of Lawrence Utilities. Thank you to everyone who purchased tickets, all the exhibitors who donated additional items for the raffle, and those who pooled for the larger prize: *Allied Pump Rentals, Culy Contracting, Inc., Engineering Resources, Inc., E-Tank/E-Pump Ltd., Ford Meter Box Co., FPBH, Inc., Hurst Technical Services, London Witte Group, LLC, Peerless-Midwest, Inc., Therber, Brock & Associates, Inc., Tyler Technologies, United Systems & Software, Inc., and Water Solutions Unlimited.* **Also, a very special thanks to our Raffle Committee – Mike Ricks, Water Solutions**

Midwestern Engineers Inc
#20
1/6h - 4c
(far forward)

Artesian of Pioneer
#46
fp -4c
(page 11)



Infrastructure System Inc
#15
1/3sq - 4c

**Unlimited; Dan Wright, FPBH Inc.;
and Phil Bonneau, Ortman Drilling
& Water Services, Inc.**

Wednesday's luncheon featured Keynote Speaker, Bruno Piggott, Assistant Commissioner in the Office of Water Quality at the Indiana Department of Environmental Management (IDEM), along with our annual water taste test contest. Congratulations to the Town of Brookston, which was awarded the 2014 "Best Tasting Water in Indiana" for the second year in a row. Max Eldridge will travel (all expenses paid) to Washington, DC in February to compete in the Great American Water Taste Test competition and meet with Indiana's delegation.

On Thursday morning, during our hot breakfast buffet and annual meeting, we raffled off a Kindle Fire HD to second time lucky winner Nancy Harmon of South Henry RSD. Lastly, before participants went off to their last class of the day, we raffled off a shotgun to proud winner Bob Brelsford from the City of Portland. ★

Thank you to our Sponsors!

CONFERENCE SPONSOR	
	
PLATINUM SPONSORS	GOLD SPONSOR
   	
SILVER SPONSORS	LANYARD SPONSOR
   	

Master Meter Inc
#29
1/2h - 4c
(1st half, rhp)

Xylem Inc - Flygt Products
#18
fp -4c
(far forward)



The Best Taste on Tap

– TWO YEARS IN A ROW

Officials at the Alliance of Indiana Rural Water have found the best-tasting water in Indiana. On September 17, 2014, the winner of a state-wide competition was announced in an effort to identify the tastiest rural water in the state and, participants hope, in the nation. The competition was conducted during lunch on the first day of the Alliance of Indiana Rural Water annual Fall Conference at the Grand Wayne Convention Center in Fort Wayne, Indiana. Participating water samples were judged on three categories – clarity, odor, and taste.

Small and rural water utilities from around the state submitted samples of their water, straight from the tap. For the second year in a row the winner of the event was the Town of Brookston, whose water sample was chosen by judges as the most appealing. “It tasted clean, pure and refreshing,” stated official judge, Lynne Newlon of the Indiana Department of Environmental Management (IDEM).

“Because of the quality of this water, Indiana has a good chance at the national taste test in Washington, DC,” added Alliance of Indiana Rural Water Executive Director, Connie Stevens.

According to Superintendent, Max Eldridge, “We pride ourselves in providing

strict testing, maintenance, and overall quality of the water that we provide to the citizens of Brookston.”

The competition is part of a **Quality On Tap!** campaign to emphasize the high quality, standards and, consequently, taste of rural water.

Winners of the state taste test will compete in a national contest at Capitol Hill in Washington, DC in early February 2015. This event is part of the Rural Water Rally, an annual legislative event for the 49 state affiliates of National Rural Water Association. ★

EJ Prescott/
Burgess Advertising
#39
1/2i - 4c
(far forward)



Curry & Associates
#25
1/4v - bw
(far forward)

EJ
#5
1/4v - 4c
(1st half)

Calgon Carbon
#2
1/2h -4c
(1st half)

ALLIANCE OF INDIANA RURAL WATER

MISSION: *Possible*



2015 SPRING CONFERENCE

MARCH 18 & 19, 2015
FRENCH LICK RESORT & CASINO

8670 WEST STATE ROAD 56
FRENCH LICK, INDIANA

Room block now open. See registration form

LODGING

French Lick Springs Hotel
8670 West State Road 56
French Lick, Indiana
www.frenchlick.com

Reservations: 888-936-9360
Room Rate: \$117/night
Room Block Rate: Expires 2/15/15
Group Code: 0315AIR

For exhibitor
registration
information, see
www.inh2o.org



MISSION: *Possible*











ALLIANCE OF INDIANA RURAL WATER 2015 SPRING CONFERENCE

MARCH 18 & 19, 2015
FRENCH LICK RESORT & CASINO
8670 WEST STATE ROAD 56
FRENCH LICK, INDIANA

Dear Attendee:

Please join us for our **2015 Annual Spring Conference** at the **French Lick Resort** in **French Lick, Indiana** on **March 18 & 19**.

Here's what you can expect this year:

-  A fun gathering on Tuesday evening including dinner and drinks.
-  Earn up to **10 Water and Wastewater CEUs** and receive a **Conference T-Shirt!**
-  An Exhibit Hall filled with exhibitors — where you can see all the **new products** related to our industry and hear about new and exciting **services offered to utility professionals**.
-  Wednesday offers an **Utility Manager and Board Member Training Day**, with all participants receiving a certificate of completion for “Phase 2 of Utility Manager and Board Training.”
-  An **Awards Luncheon** on Wednesday honors the best in the industry. If you know of someone who deserves recognition, please contact us for the nomination form. You also won't want to miss **Keynote Speaker, Steven David, Indiana Supreme Court Justice**.
-  Thursday offers an **Office Personnel Training Day**, with all participants receiving a certificate of completion for “Phase 2 of Office Personnel Training.”
-  Wednesday night's Reception in the Exhibit hall offers games, delicious drinks and food and features live music by the J Taylors. Later be sure to join us for a **Bowling and Pizza Hospitality Event** second to none!
-  The **Sportsman's Raffle Grand Prize** is a **high-end Weber Grill valued at \$2,500!** Also a variety of other items will be up for grabs.
-  A chance to win a **free trip for two to the NRWA Water Pro Conference** in Oklahoma City, Oklahoma. Sponsored by Covalen & Midwestern Engineers
-  **French Lick Resort** is packed with exciting and entertaining things to do during your down time, including: a casino, spa, winery, indoor pool (open from 6 a.m. until midnight), golf courses, stables and tennis. The Big Splash Adventure Indoor Waterpark is about a minute away and offers a year-round tropical adventure for the entire family!

So, don't put off making plans to attend the Alliance of Indiana Rural Water's 2015 Spring Conference. **On-line registration is now available at www.inh2o.org.**

We sincerely look forward to seeing you in French Lick!

Board & Office Sessions



Board & Office Sessions

What follows is a **tentative** list of topics and invited speakers.

WEDNESDAY, MARCH 18

9:15 a.m. - 10:15 a.m.

UTILITY MANAGER/BOARD SESSION

CAPITAL PLANS, CAPITAL BUDGETS AND RATES

William Etzler, Engineering Resources, Inc.

This class will improve board understanding of the importance of planning.

10:45 a.m. - 11:45 a.m.

UTILITY MANAGER/BOARD SESSION

THE UTILITY'S ROLE IN ECONOMIC DEVELOPMENT EFFORTS

Jon W. Craig, Midwestern Engineers, Inc.

Economic Development is certainly a buzzword today. Everyone knows that they want it to occur, but not everyone realizes what is involved in our current competitive environment. This session will focus on current trends in the economic development arena such as place-making, workforce readiness and regionalism while applying the nuts and bolts of business attraction, incentives, and infrastructure. Case studies and best practices and partnerships between utilities, local economic development organizations, and government agencies will be highlighted.

1:15 p.m. - 2:15 p.m.

UTILITY MANAGER/BOARD SESSION

RURAL WATER - MOVING FORWARD OR REPEATING THE PAST?

Jim Maras and Julia McCusker
CoBank

Review rural water trends, financing issues, and the future of rural water.

2:45 p.m. - 3:45 p.m.

UTILITY MANAGER/BOARD SESSION

UTILIZING INTERNS AT YOUR UTILITY

Dan Dalton and Cathy Dunning
BBP Water Corp.

The goal of this class is to discuss the ins and outs of having internships at your utility. Discussion will include whether positions are paid or unpaid, the utility's liability and responsibility to the intern, how to utilize the intern in the office or plant setting and what the interns have to offer the utility.

WEDNESDAY

UTILITY MANAGER and BOARD TRAINING DAY

9:15 a.m. - 3:45 p.m.

Participants will receive a certificate of completion for "Phase 2 of Utility Manager and Board Training."

THURSDAY, MARCH 19

8:30 a.m. - 9:30 a.m.

OFFICE PERSONNEL SESSION

FINANCIAL ANALYSIS #101

Otto W. "Buzz" Krohn, O.W. Krohn & Associates, LLP

This workshop will enhance each participants' understanding of basic financial accounting reports and provide supplementary information in a manner that will help "connect the dots" in developing budgets and projections. Participants will view actual financial statements, discuss the implications and provide a basis for projecting annual budgets and projections. Participants will also explore basic elements of obtaining L.T. Debt obligations.

10:00 a.m. - 11:00 a.m.

OFFICE PERSONNEL SESSION

SHARING INFORMATION FOR A SECURE INDIANA

Blake Martindale, Indiana Intelligence Fusion Center

Attendees will learn about the information sharing environment and how that prompted the development of Fusion Centers across the U.S. including Indiana. Attendees will learn about how to partner with IIFC to safeguard against terrorism.

11:15 a.m. - 12:15 p.m.

OFFICE PERSONNEL SESSION

TECHNOLOGY & TIME MANAGEMENT

Janet Alexander, City of Franklin

This session will explore the latest available developments in technology that contribute to cost-savings and time management practices.

1:30 p.m. - 2:30 p.m.

OFFICE PERSONNEL SESSION

WORKING WITH BOARDS, COUNCILS & COMMISSIONS

Anita Amspaugh, Midwestern Engineers, Inc.

This session is designed to improve communication with boards, councils and/or commissioners for overall operation and effectiveness. The little things that can make a big difference.

2:45 p.m. - 3:45 p.m.

OFFICE PERSONNEL SESSION

GETTING THE FUNDING AGENCIES TO WORK TOGETHER

Tracy Boehmer, P.E., Commonwealth Engineers, Inc.

This session will review the funding process and challenges using the Town of Newport Sewer System as a case study example.

THURSDAY

OFFICE PERSONNEL TRAINING DAY

8:30 a.m. - 3:45 p.m.

Participants will receive a certificate of completion for "Phase 2 of Office Personnel Training."

MISSION: Possible

2015 SPRING CONFERENCE

AGENDA AT A GLANCE

TUESDAY, MARCH 17, 2015

2:00 P.M.	BOARD OF DIRECTORS MEETING
TO 6:00 P.M.	EARLY REGISTRATION/ ATTENDEE PACKET PICK-UP
TO 8:00 P.M.	PRE-CONFERENCE HOSPITALITY EVENT (FUN, FOOD & DRINKS)

WEDNESDAY, MARCH 18, 2015

TO 7:00 A.M.	REGISTRATION DESK OPEN IN LOBBY
TO 8:00 A.M.	OPENING SESSION/GENERAL SESSION COFFEE AND DOUGHNUTS
TO 9:00 A.M.	BREAK
TO 9:15 A.M.	CONCURRENT TRAINING SESSIONS
TO 10:15 A.M.	EXHIBIT HALL GRAND OPENING
TO 10:45 A.M.	CONCURRENT TRAINING SESSIONS
TO 11:45 A.M.	AWARDS LUNCHEON WITH KEYNOTE SPEAKER STEVEN DAVID, INDIANA SUPREME COURT JUSTICE
TO 1:15 P.M.	CONCURRENT TRAINING SESSIONS
TO 2:15 P.M.	BREAK IN EXHIBIT HALL
TO 2:45 P.M.	CONCURRENT TRAINING SESSIONS
TO 3:45 P.M.	RECEPTION IN EXHIBIT HALL GAMES, FOOD, DRINKS & SPORTSMAN'S RAFFLE! FEATURING LIVE MUSIC BY THE J TAYLORS
TO 8:00 P.M.	HOSPITALITY BOWLING EVENT (BOWLING, PIZZA & DRINKS)

THURSDAY, MARCH 19, 2015

TO 7:00 A.M.	REGISTRATION DESK OPEN IN LOBBY
TO 8:00 A.M.	HOT BREAKFAST IN EXHIBIT HALL
TO 8:30 A.M.	OPENING REMARKS - MEMBERSHIP MEETING - WIN A KINDLE FIRE!
TO 9:30 A.M.	CONCURRENT TRAINING SESSIONS
TO 10:00 A.M.	BREAK IN EXHIBIT HALL
TO 11:00 A.M.	CONCURRENT TRAINING SESSIONS
TO 11:15 A.M.	BREAK IN EXHIBIT HALL
TO 11:15 A.M.	CONCURRENT TRAINING SESSIONS
TO 12:15 P.M.	GRAND PRIZE DRAWING
TO 12:30 P.M.	LUNCH - ON YOUR OWN
TO 1:30 P.M.	CONCURRENT TRAINING SESSIONS
TO 2:30 P.M.	BREAK - SHOTGUN RAFFLE DRAWING
TO 2:45 P.M.	CONCURRENT TRAINING SESSIONS

**10 TOTAL WATER &
WASTEWATER CEU HOURS**

Technical Sessions

What follows is a **tentative** list of topics and invited speakers.

WEDNESDAY, MARCH 18

8:00 a.m. - 9:00 a.m.

OPENING SESSION

YOUR UTILITY SYSTEM HAS BEEN COMPROMISED. YOUR MISSION, SHOULD YOU CHOOSE TO ACCEPT IT ...

IDEM Personnel

9:15 a.m. - 10:15 a.m.

WATER SESSION

DON'T BE THAT UTILITY

Scott A. Ham, Silver Creek Water Corporation

WASTEWATER SESSION

LOW PRESSURE SEWER SYSTEMS PROVIDING A SUSTAINABLE SOLUTION FOR SEWER RENEWAL (PART 1)

Keith McHale, P.E., Environment One Corporation

10:45 a.m. - 11:45 a.m.

WATER SESSION

eSAMPLE DATA ENTRY AND RTCR REMINDERS

Stacy Jones, IDEM

WASTEWATER SESSION

LOW PRESSURE SEWER SYSTEMS PROVIDING A SUSTAINABLE SOLUTION FOR SEWER RENEWAL (PART 2)

Keith McHale, P.E., Environment One Corporation

1:15 p.m. - 2:15 p.m.

WATER SESSION

GIS: FULFILLING THE UTILITY MISSION!

Tony Shriner, WTH Technology, Inc.

WASTEWATER SESSION

BASICS OF ACTIVATED SLUDGE

Barbara Smith, Wastewater 101

2:45 p.m. - 3:45 p.m.

WATER SESSION

FIELD MEASUREMENTS - HOW ACCURATE CAN I BE MEASURING OUT IN THE FIELD?

Austin Collins, Hach

WASTEWATER SESSION

WASTEWATER STAFF IMPROVES ACTIVATED SLUDGE PROCESSES TO COMPLY WITH AGREED ORDER

Craig Williams, City of Angola

THURSDAY, MARCH 19

8:30 a.m. - 9:30 a.m.

WATER SESSION

GPS BASED MAINTENANCE AND INSPECTION MANAGEMENT

Michael DeMory and Tom Rogers
Seiler Instrument

WASTEWATER SESSION

ADVANCED TREATMENT IN WASTEWATER LAGOONS

Tim Canter, Environmental Dynamics International

10:00 a.m. - 11:00 a.m.

WATER SESSION

HOW TECHNOLOGY IS CHANGING THE WATER INDUSTRY

Jacob Jasperson, Badger Meter, Inc.

WASTEWATER SESSION

BASICS OF MATH

Barbara Smith, Wastewater 101

11:15 a.m. - 12:15 p.m.

WATER SESSION

CHEMISTRY 101: DRINKING WATER TREATMENT

Don Adams, Aulick Chemical Solutions

WASTEWATER SESSION

WHOLE EFFLUENT TOXICITY TESTING

Rhonda Baker, Beckmar Environmental Laboratory

SOURCEWATER / WATER SESSION

SOURCE WATER PROTECTION FORUM

Toby Days, Alliance of Indiana Rural Water

1:30 p.m. - 2:30 p.m.

WATER SESSION

WELL REHABILITATION AND FLOW TESTING

Emily Miesner and Bob Curley, Layne

WASTEWATER SESSION

ODOR CONTROL AND BIO-P REMOVAL SYSTEMS

Douglas Ralston, Engineering Resources, Inc.

2:45 p.m. - 3:45 p.m.

WATER SESSION

IS WATER A SCARCE RESOURCE FOR INDIANA?

Christina De Witt, Umbaugh

WASTEWATER SESSION

HEADWORK'S DESIGN - GET BEYOND THE WET WEATHER OBSTACLES

Jeremy Hardy, P.E., Commonwealth Engineers, Inc.

**EARN 10
WATER AND
WASTEWATER
HOURS!**

5 TOTAL CEU HOURS WEDNESDAY

5 TOTAL CEU HOURS THURSDAY

Technical Registration

MARCH 18 & 19, 2015

Please print or type.

List all attendees and indicate the type of registration desired.

We encourage you to fax or email completed forms:

Fax: 317-736-6676 email: alliance@inh2o.org

Host Hotel
FRENCH LICK SPRINGS HOTEL
 8670 WEST STATE ROAD 56
 FRENCH LICK, INDIANA
RESERVATIONS:
 888-936-9360
www.frenchlick.com
ROOM RATE: \$117/night
ROOM BLOCK RATE expires 2/15/15
GROUP CODE: 0315AIR



MISSION:
Possible
 MARCH 18 & 19, 2015

2015 SPRING CONFERENCE

Utility / Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Please list **ALL Attendees** and specify registration type for each:

Name	FIRST-TIME ATTENDEE	FULL	WED. ONLY	THURS. ONLY	SPOUSE/ GUEST
Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Registration Rates

Full Registration

Two (2) days of technical sessions; and Pre-Conference Hospitality Event (Tues.); Exhibit Hall Access, Awards Luncheon (Wed.); Reception (Wed.); Hospitality Bowling Event (Wed.); Hot Breakfast Buffet (Thurs.)

Wednesday ONLY Technical sessions; Exhibit Hall Access; Awards Luncheon and Reception; Hospitality Bowling Event

Thursday ONLY Technical Sessions; Exhibit Hall Access; Hot Breakfast Buffet

Spouse / Guest Registration

Pre-Conference Hospitality Event (Tues.); Exhibit Hall Access, Awards Luncheon (Wed.); Reception (Wed.); Hospitality Bowling Event (Wed.); Hot Breakfast Buffet (Thurs.)

Member		Non-Member	
Before February	After February 27, 2015	Before February	After February 27, 2015
\$135	\$160	\$185	\$210
\$90	\$115	\$115	\$140
\$80	\$105	\$105	\$130
\$50	\$75	\$75	\$100

PLEASE INDICATE NUMBER OF ATTENDEES PLANNING TO ATTEND WEDNESDAY'S AWARDS LUNCHEON.

Method of Payment

☐ Please send invoice ☐ Enclosed is my check # _____

☐ Visa

☐ MasterCard

Card # _____ Exp Date _____

Name on Card _____ Billing Zip _____

Signature _____

Dietary restrictions and/or special requests:



Total \$ _____

Registration form must be returned to the Alliance office no later than February 27, 2015 for "Early Bird" registration prices.

Registrations will be fully refunded if cancellation is made before March 6, 2015. ■ No refunds after March 6, 2015.

Phone: 317-789-4200

Fax: 317-736-6676

Email: alliance@inh2o.org

Address: P.O. Box 789, Franklin, IN 46131

Board & Office Registration

MARCH 18 & 19, 2015

Please print or type.

List all attendees and indicate the type of registration desired.

We encourage you to fax or email completed forms:

Fax: 317-736-6676 email: alliance@inh2o.org

Host Hotel

FRENCH LICK SPRINGS HOTEL
8670 WEST STATE ROAD 56
FRENCH LICK, INDIANA

RESERVATIONS:

888-936-9360

www.frenchlick.com

ROOM RATE: \$117/night

ROOM BLOCK RATE expires 2/15/15

GROUP CODE: 0315AIR



MISSION: Possible

MARCH 18 & 19, 2015

2015 SPRING CONFERENCE

Utility / Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Please list ALL Attendees and specify registration type for each:

Name _____

Name _____

Name _____

Name _____

	FIRST-TIME ATTENDEE	FULL	BOARD ONLY	OFFICE ONLY	SPOUSE/ GUEST
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Registration Rates

Full Registration

Two (2) days of board and office sessions; and Pre-Conference Hospitality Event (Tues.); Exhibit Hall Access, Awards Luncheon (Wed.); Reception (Wed.); Hospitality Bowling Event (Wed.); Hot Breakfast Buffet (Thurs.)

Wednesday ONLY Board sessions; Exhibit Hall Access; Awards Luncheon and Reception; Hospitality Bowling Event

Thursday ONLY Office sessions; Exhibit Hall Access; Hot Breakfast Buffet

Spouse / Guest Registration

Pre-Conference Hospitality Event (Tues.); Exhibit Hall Access, Awards Luncheon (Wed.); Reception (Wed.); Hospitality Bowling Event (Wed.); Hot Breakfast Buffet (Thurs.)

Member		Non-Member	
Before February 27, 2015	After February 27, 2015	Before February 27, 2015	After February 27, 2015
\$135	\$160	\$185	\$210
\$90	\$115	\$115	\$140
\$80	\$105	\$105	\$130
\$50	\$75	\$75	\$100

PLEASE INDICATE NUMBER OF ATTENDEES PLANNING TO ATTEND WEDNESDAY'S AWARDS LUNCHEON.

Method of Payment

☐ Please send invoice ☐ Enclosed is my check # _____

☐ Visa

☐ MasterCard

Card # _____

Exp Date _____

Name on Card _____

Billing Zip _____

Signature _____

Total \$ _____

Dietary restrictions and/or special requests: _____



Registration form must be returned to the Alliance office no later than February 27, 2015 for "Early Bird" registration prices.

Registrations will be fully refunded if cancellation is made before March 6, 2015. ■ No refunds after March 6, 2015.

Phone: 317-789-4200

Fax: 317-736-6676

Email: alliance@inh2o.org

Address: P.O. Box 789, Franklin, IN 46131

Board & Office Board & Office Board & Office Board & Office

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What is WaterPAC?

By Fitz Elder, NRWA Lobbyist – Washington, D.C. Office

Every day, the Alliance of Indiana Rural Water is helping rural utilities in our state provide the best water and wastewater services possible. We are constantly providing the communities we live in with invaluable technical assistance and training throughout the year. These services help improve the quality of life in our communities and help maintain and support job creation. We all know how important our local water systems are to our lives. In addition to working hand-in-hand with our members and other communities across our state, the Alliance helps Congress understand how federal laws, regulations, and programs impact our communities. As part of our efforts to serve and advocate for Indiana's rural communities, we have worked with the National Rural Water Association to establish and fund, as individuals, a political action committee, WaterPAC.

After the long election cycle we just experienced, many of you don't want to hear the term 'PAC' for a long time,

but WaterPAC is a crucial component to the work we do to help Congress understand how vital clean, safe, affordable drinking water and wastewater services are to our rural communities. Most of our members that have attended or exhibited at either Spring or Fall Conferences can recall having the opportunity to contribute to WaterPAC through our Sportsman's Raffle. With this opportunity, always comes the question: What is WaterPAC?

Simply put, WaterPAC accepts voluntary contributions from people in the Rural Water family and then uses those funds to support members of Congress that have a proven record of support for us. With the active participation of the thousands of people around the country who benefit from Rural Water, we can join together and help elect those who help us. All of the funding goes to help Senators and Congressmen who understand the importance of Rural Water.

A few more recent outcomes of our efforts in Washington, DC affecting your system directly have included:

- continued appropriations for the water and wastewater infrastructure programs under the USDA Rural Development and USEPA State Revolving Fund (SRF) programs;
- continued appropriations to provide the Circuit Rider, Wastewater Technician, and Source Water Protection assistance to your system;
- the ability to distribute your Consumer Confidence Reports (CCRs) electronically instead of hardcopy; and
- the removal of fire hydrants from the no-lead brass requirements.

Thanks again for your past support of WaterPAC. Please feel free to contact Fitz Elder (fitz@nrwa.org) in the Washington office of the National Rural Water Association with any questions you have regarding WaterPAC. ★



By Joe Frazier, Water Circuit Rider

Well folks, we just went through our first cold spell. Are you ready for more?

I know it seems as if last winter was just not that long ago. Do you remember the problems you encountered? Here are a few things to remember in case you haven't thought about winter yet.

First, if you haven't done it yet make sure you have dropped the levels in your towers to winter levels. In the winter, it's important to carry a little less water in your towers than the level we carry in the summer. By dropping the levels you

get more turnover of water, so you have less chance of your towers freezing.

Second, make sure you have winterized your fire hydrants. If you have completed your fall flushing, did all the hydrants drain properly? If not, make sure you pump the excess water out of the barrels so that none of the hydrants freeze and burst. Remind your local fire departments to let you know if they use a hydrant, so you can make sure it is drained properly. Explain the importance to them and explain that if, for some reason, they may need that hydrant in the

near future, you will need to be contacted to ensure it's ready for its next use.

Third, make sure you have all the proper gear for you and your employees to work out in the cold if need be. Nothing is worse than having to fix a leak when you or your helpers are already cold before you even get started. Most of all, be aware of the conditions around you – including road conditions – because, when it warms up, we want to see all of you at our spring conference, fall conference, operator expo, and just our general visits! ★

Pittsburg Tank & Tower
#13
1/8v - 4c

The Ford Meter Box Company
#48
1/4h - 4c



2014 Scholarship Golf Outing Recap

The 2014 Scholarship Golf Outing was a huge success!

Once again, thunderstorms moved out and allowed us to play a full day of golf, with a **sold out event of 24 teams**. Our famous longest drive contest was conducted **while sitting on a toilet!** Teams donated \$20 to the scholarship fund for a chance to hit the longest drive... the only catch was you had to sit on a toilet while hitting the ball. The prize for the longest drive was a new golf bag; but the biggest reason to participate was that, on their next shot, participants had the opportunity to drop their ball 165 yards from the hole on a par 5 – not to mention all the fun we had and great pictures it created!

Thank you to all our sponsors and everyone who attended to help make the golf outing a success.

Congratulations to the Winners!

Longest Drive Winner – Tony Stewart
Closest to the Pin – Charlie Tidd
Dave Boesch won \$280 in the 50/50 Raffle, and donated it back to the scholarship fund!

Thanks to Our Sponsors

Tournament Sponsor: Covalen

Beverage Cart Sponsors:

Midwestern Engineers, Inc.
& Water Solutions Unlimited

Hole Sponsors: American Flow Control;
BBP Water Corp.; Bose McKinney

& Evans, LLP; Brenntag Mid-South, Inc.; Campbell Kyle Proffitt, LLP; Commonwealth Engineers, Inc.; Covalen; Engineered Solutions Midwest; E-Tank/E-Pump Ltd.; Everett J. Prescott Inc.; Frakes Engineering, Inc.; GRW Engineers, Inc.; Insituform; J. Dwight Thompson Co.; Inc., JCM Industries, Inc.; Ladd Engineering, Inc.; London Witte Group, LLC; M.E. Simpson Co., Inc.; Midwestern Engineers, Inc.; O.W. Krohn & Associates; One Water Inc.; Ortman Drilling & Water Services; Peerless-Midwest Inc.; Sensus; Software Solutions, Inc.; Spectra Tech; Strand Associates, Inc.; Tom Speer and Connie Stevens; United Systems & Software, Inc.; Utility Service Group; Water Solutions Unlimited; and Wessler Engineering.



1st Place: Mueller Company



2nd Place: London Witte Group, LLC



3rd Place: One Water, Inc.





Scholarship Application

(Please Print or Type)

A. Personal Information

Name: (Last) _____ (First) _____ (MI) _____ (Gender) M F
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Email: _____

B. Member Information (Applicant must be a dependent child of an Alliance voting member)

Utility Name: _____
Employee Name: _____
Relationship to employee: _____

C. High School Information - (Transcript must be submitted with application)

Attach a typed list of academic awards, memberships or other special recognition you have received dating back to your sophomore year.

School Name: _____ Graduation Date: _____
Address: _____
City: _____ State: _____ Zip: _____
GPA: _____ SAT Score (total): _____ Class Rank: _____ out of: _____

D. College / University Information

Is this your first year of higher education? Yes _____ No _____ (If "No," college transcript is required)

If "No," indicate credit hours completed: _____

If "No," indicate credit hours required to graduate: _____

School Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Please indicate: _____ 4-Year College/University
_____ Vocational/Technical School
_____ 2-Year Community/Junior College
_____ Other, Specify: _____

Major Course of study: _____
(Priority will be given but is not limited to water/wastewater related studies)

Continued on other side...



Scholarship Application

Continued from other side...

E. Financial Information

Please indicate which of the following income ranges matches your gross family income:

____ Under \$30,000 ____ \$30,000 - \$50,000 ____ \$50,000 - \$70,000 ____ Over \$70,000

If you are receiving other financial aid please itemize by name and amount.

Name: _____ Amount: _____

Name: _____ Amount: _____

Name: _____ Amount: _____

If there are any family circumstances that influence your need for financial assistance, please describe:

F. Essay

On a separate page, in 250 words or less. **(Please type)**

Write a brief essay on your goals as they relate to your education, career, and future plans.

G. Certification

In submitting this application, I certify that the information provided is complete and accurate to the best of my knowledge. False information will result in revocation of any scholarship granted.

Applicant's Signature: _____ Date: _____

Parent's/Guardian's Signature: _____ Date: _____

OFFICIAL RULES

This grant will be made to defray the cost of educational expenses at an accredited institution of higher learning approved by the Alliance of Indiana Rural Water. Disbursement of the money will be made upon presentation of proof of enrollment (transcript or invoice.) The scholarship money will be paid directly to the scholarship winner. Applicants must be a citizen or legal resident of the United States, a resident of the state of Indiana and **a dependent child of a voting member system employee**. In order to be eligible, applicants must complete the application form in its entirety and return it to the Alliance by the entry **postmark deadline, January 30, 2015**. All applications will be first screened on the basis of leadership responsibilities in community activities and school activities and on grade point average. Scholarship recipients will be selected on the basis of the number, length of commitment, and quality of leadership responsibilities in community and school activities, awards, honors, academic records, career goals and financial need. Applicants will be evaluated on a comparative basis at the sole discretion of the committee. All decisions are final. Application material and decisions of the committee shall be confidential. Acceptance of scholarship constitutes permission to use recipient's name and/or likeness for purpose of promotion. No transfer of scholarship is permitted. Applicant must plan to attend an accredited school in the fall of 2015. Recipients will be notified by mail. Family members of employees of the Alliance of Indiana Rural Water and / or members of the Board of Directors are not eligible.

Mail application, transcript(s), & essay to:
(must be postmarked by January 30, 2015)

Alliance of Indiana Rural Water
P.O. Box 789, Franklin, IN 46131

OR Email application, transcript(s), & essay to: *alliance@inh2o.org*
(must be received by January 30, 2015)

CCI Spectrum/SpectraShield
#1
1/4v - 4c

Bastin-Logan Water
#41
1/4v - 4c

Ortman Drilling & Water Services
#32
1/4v - 4c

CoBank
#43
1/4v - 4c

IS EBOLA A THREAT

For Water And Wastewater Utilities?

By Rex Blanton,
Wastewater Training Director

Ever since the first death caused by Ebola in the United States, true concern about the virus has been growing. The Center for Disease Control (CDC) in Atlanta, is working to clear up myths and calm fears of the spread of the virus in the United States. Ebola survivor, Nancy Writebol stated, "Don't let fear take hold of us." The fear is due to the extensive media coverage of caregivers returning to the US with the disease. Everyone's first reaction is, "Will we have an epidemic like some of the African countries?" Dr. Tom Frieden, CDC Director, is "quite confident" that the United States will not suffer an outbreak, further stating, "We will stop it in its tracks because of the mechanisms put in place by the public health community." I think I can safely say, we all hope he is right.

Concerns for our water and wastewater systems, their customers and their employees are also growing. However, the CDC states that the virus will not live long enough to be a threat. The CDC describes it as a 'wimpy' virus, saying it does not live long outside the

body. The virus will not remain long in water either, which does not provide it with a very rich environment. In water, the Ebola virus would be deactivated in a matter of minutes, because each Ebola virus cell is located inside an envelope taken from the membrane of a host cell. Once immersed, the host cell will take in water in an attempt to equalize osmotic pressure, causing the cell to swell and burst, thus killing the virus.

Public water systems provide several barriers of protection against all bacteria and viruses, including selection and protection of source waters, effective treatment technologies and monitoring of water quality. The Ebola virus will be inactivated, along with the others, through the use of disinfectants such as chlorine or ultraviolet light. Both Indiana Department of Environmental Management (IDEM) and Environmental Protection Agency (EPA) standards require all public water systems to use physical and chemical processes,

followed by disinfectants to effectively inactivate and remove bacteria and viruses from treated water.

"We will stop it in its tracks because of the mechanisms put in place by the public health community."

The CDC recommends disposal of Ebola-related wastes to public wastewater systems, stating, "Sanitary sewers may be used for the safe disposal of patient waste. Additionally, sewage handling processes (e.g., anaerobic digestion, composting, and disinfection) in the United States are designed to inactivate infectious agents." The CDC does not have guidance for wastewater operations specialists and employees related specifically to Ebola. The CDC and the



TnT Technologies

#35

1/3v - 4c

World Health Organization conclude that Ebola is not a foodborne, waterborne or airborne illness; it is transmitted through direct contact with infected bodily fluids. Because it does not have the same salt concentration as bodily fluids, Ebola-infected cells do not live long in water.

Although the CDC had not released guidance for wastewater employees related specifically to Ebola at the point of writing this article, this information was to be released before the end of 2014. Until such guidance is released, all wastewater treatment plant workers should follow all OSHA guidelines and requirements related to exposure to bloodborne pathogens.

The most common way to introduce any type of micro-organisms is by hand-to-mouth contact during eating, drinking, smoking, or by wiping the face with contaminated hands or gloves. Another mode of transmission is via skin contact, through cuts, scratches or penetrating wounds. Certain organisms, including Ebola, can enter the body through mucus membranes in the nose or mouth and through the surface of

the eyes. You must protect yourself against these types of contaminations by wearing proper personal protective equipment, including rubber gloves as well as eye and respiratory protection. Face shields are very effective to protect against splashes. But the protection process does not stop with the PPEs. Soap and water, nailbrushes, disposable paper towels and even showers should be provided.

When the Ebola guidance for wastewater employees is released, it will contain much more information on the subject of the Ebola virus and how it pertains to water and wastewater utilities. If you and your system are looking for guidance now, you can find numerous articles and studies on the Internet. IDEM, EPA and CDC are all good places to start. Also, the CDC recently issued an interim guide regarding Ebola and POTW workers. You can view it here: <http://www.cdc.gov/vhf/ebola/prevention/handling-sewage.html> ★

**Information for this article was gathered from CDC, EPA, Ohio EPA and NBC reports or papers.*

Illusion of Abundance

We see fresh clean water flowing out of the tap. We see the same water flushed down the toilet. We see sprinklers whirling at high noon on luscious green lawns. We see enormous irrigation systems spraying high above our Indiana cornfields... but what don't we see?

We turn the tap and out comes fresh water. We have access to a wide array of produce at our local supermarkets. We have energy to light our homes and fuel to run our vehicles with little regard to the water resources, infrastructure and the people needed to make it all happen.

We have this illusion of abundance – the sense that we have plenty of water to do everything we want to do all the time.

As a Water Operation Specialist, you are asked to pull water from our source, send it through a complex maze of pipes, valves, filters and chemical processes all before delivering to your customers a tested and safe product that meets all regulatory requirements. The water you provide makes all these activities and products possible; however, all customers ever see is the finished product, at a relatively low cost. They never consider the process or the resource. As ethical water purveyors, should we be providing *more* than just water?

I have had the great opportunity to travel the state to talk to young and old about sources of drinking water and efforts to protect them. No matter the age, the overwhelming majority have no idea where their water comes from... the ocean, sewer, the town, the store, basement... and fewer know about the

infrastructure, processes, or people that enable them to have access to clean, safe drinking water. If people do not know the basic concept behind where they get their most essential resource, will they value what they do not know?

We tell people what to do and what not to do, but rarely do we explain why. Facts are not enough. Participate > Observe > Reflect – we learn by participating not by being told. We need to do less indoctrination and more in the way of helping others realize and act on their own values. “Tell me and I forget. Teach me and I remember. Involve me and I learn” (Benjamin Franklin).

When people have a better understanding of their water resources and the process it takes to produce safe water, they will begin to have a better appreciation for the resource, the water industry and, yes, you – the Water Operation Specialists.

Water management, government regulations, the courts or even costly technical fixes will not save our freshwaters for future generations and ecosystems. All have a place in the solution. But the solution that stands tall above all the others and is also the cheapest, easiest, and fulfills our obligation to the future is an idea of a ‘water ethic’ – a wide spread change in the way we view and use water, a lifting of that illusion of abundance.

“Water Ethic – Making sure the way we live with water **today** doesn't jeopardize fresh, clean water for our children, businesses, and ecosystems **tomorrow** (Barnett, Cynthia. *Blue Revolution: Unmaking America's Water Crisis*).



We want to build a baseline normality when thinking and talking about water. Although that may take time, change does happen. In the 1920s and '30s Aldo Leopold, the Sand County Almanac and the conservation movement changed the way agricultural producers rotated crops and cared for the soil. In the 1960s and 70s the crying Indian commercials changed the way we think about littering. We CAN change the way people think about water and how they use it too.

People will not come to you, if change is to occur you must meet people where they are. I have had the great pleasure of working with community after community that have taken their message about the importance of water directly to their people. Here are just a few examples of communities working on a community water ethic.

CASE STUDY:

Cloverdale 175th Town Birthday Street Festival

The Cloverdale Water department setup a booth at the town's 175th birthday street festival. The booth was full of educational material, WHPA maps, games, and pieces of the water systems infrastructure that passersby could look at, touch and ask questions about. The town was in the midst of a remote meter read change-out project, a stormwater project and a sewer project. Many of the town patrons stopped by the booth to get more information. The water department had examples of the old and new meters showing the degrading infrastructure and the advantages of the new technology. Meter pits secured the booth from blowing away in the wind, but also gave people an idea of what that metal lid was for in their front yard. Portions of Cloverdale were prone to flooding and several citizens stopped by the booth to voice their frustrations. After hearing about the cost of the vac truck, the number of times storm catch basins are vacuumed-cleaned and the type and amount of trash that hamper the effectiveness of the storm water system, people showed more understanding in relation to the situation. A sewer project to rectify a problem area of town that had sewage back up



"Is there a magic water fairy that brings you fresh clean water?"



Indiana Municipal Insurance
Programs
#38
1/6h - 4c

into a few homes was also discussed. Games (guess how many water drops does it take to fill a 6-inch pipe that is 12 inches long), giveaways (restaurant gift certificates) and intriguing displays drew 100s of curious people to the booth. All left with a new understanding and appreciation for their water resources and the water department.

CASE STUDY:

Vigo County Fifth Grade Field Day

Every fifth grade student in Vigo County, including home schooled students, are chartered into the fairgrounds for the annual fifth grade field days, sponsored by the Vigo County Farm Bureau and hosted by the Vigo County SWCD. During the three-day event 19 elementary schools and more than 1200 students are led through 20 stations to learn about the importance of Indiana's natural resources and agriculture. Year after year, one of the most talked about and enthusiastic stations at the field days is the Water Quality booth run by John Allen from Seelyville Water.

At the Water Quality Station, students were taken on a journey through the water cycle. They also had the opportunity to understand how a well functions, where their water comes from, how a water and wastewater treatment plant works, and how to prevent pollution. An upbeat, interactive presentation kept students engaged through the 15-minute array of props and demonstrations. Students were also rewarded with 'I (heart) Seelyville Water' stickers for correct answers. See the video of John's presentation on the Alliance of Indiana's webpage www.inh2o.org.

CASE STUDY:

Metro North Elementary

The Town of Lagro was invited to do a water quality presentation to three kindergarten classes at the Metro North Elementary School in Wabash County. Scott Siders, Lagro Water Department, explained how water is treated and stored in what the kids called "those big blue bubble skyscrapers" (water towers). Kristie Bone, Lagro Town Clerk, followed, reading the kids an educational story

on water. The students took a journey through the water cycle, which led to a groundwater demonstration that explained how a well functions and where their drinking water comes from (underground aquifer). Students were able to understand the definition of pollution and how to conserve water (turning water off when brushing your teeth).

We never truly own our land and water resources. We have the great fortune of being able to use them for a very brief period of time before we pass them onto the next generation. Therefore, it is essential that we use all of our water resources in a sustainable manner while managing our land in order to protect the quantity and quality of those water resources.

Water is not an endless resource. As Water Purveyors, Water Operation Specialists, Water Agents, Water Ambassadors, Water Guardians, we continue to work towards widespread change of how we view and use water, transforming that illusion of abundance in order to create a sustainable water ethic in our community. ★

KAR Laboratories
#21
1/3sq - 4c

McMahon Associates
#22
1/6v - 4c



Lab Quality Control

By Kevin Wenzel, Wastewater Circuit Rider

Like a lot of people who started out in wastewater I had to do all the simple things: mowing grass, washing equipment, sweeping and mopping floors, checking lift-stations, reading meters, and cleaning sludge drying beds. I never did much in the lab except for grabbing a sample for the lab tech or taking the dissolved oxygen (DO) reading in our oxidation ditch.

Then one day, during a routine inspection from Indiana Department of Environmental Management (IDEM), the inspector noticed a distinct difference in the effluent and the sample that was taken 30 minutes earlier and stored in the refrigerator. Of course this prompted further investigation, which led to the dismissal of the lab technician and early retirement for my boss. I was the only employee left!

The town was put under an agreed order and IDEM expected proof that future lab results were valid. The only way to prove valid results was to set up a Quality Control (QC) program in the lab.

Everybody knows that life happens and every day will not be the same. IDEM knows that, on a yearly basis, your plant will not have the same results every day. So I was expected to step into the lab tech and operator's position immediately.

I was not qualified, but was expected to learn fast from professionals who were brought in for six months.

I learned that Standard Methods stipulates performing QC on every 10 samples in a batch. However, I was taught that every time you perform a test, you should run QC on it, no matter how many are in the batch.

When running a total suspended solids (TSS) test, you should perform a blank and a dupe. Biochemical oxygen demand (BOD) should have two blanks, a dupe, and a standard. NH₃ and PO₄ should have a blank, a dupe, a standard, and a spike. All this QC information then gets entered on charts that you can look at or print out.

Other things that I learned you should perform in a lab are to run a Winkler against your DO and BOD probes, have your dilution water tested for Conductivity, CL₂, metals, and perform a split sample with a neighboring plant. Once a year, when performing a TSS test, dry the sample until there is no difference and then dry the testing sample to the same level.

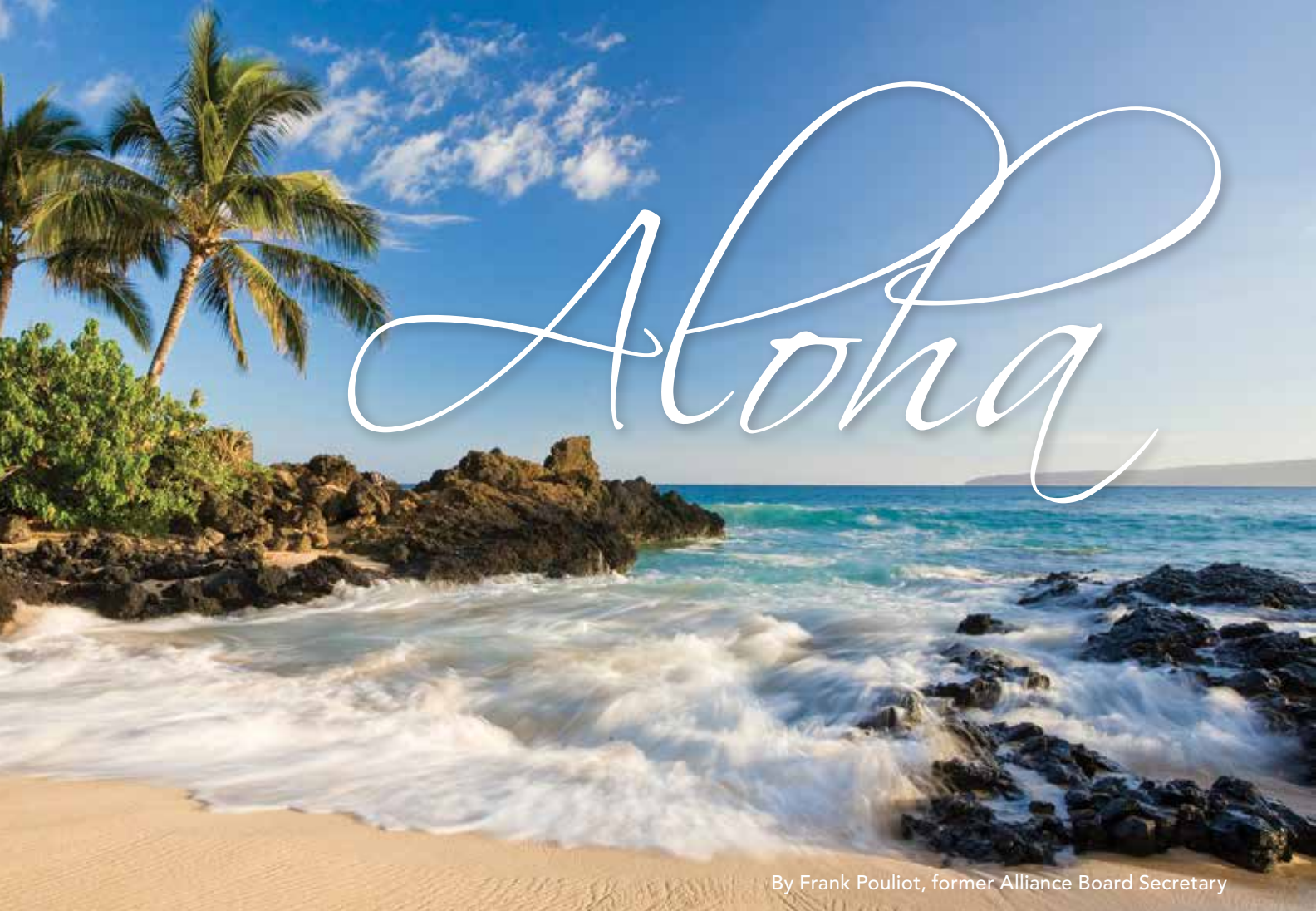
Ensure your lab has sampling bench sheets with time of sample, location of sample and your signature. All the bench sheets should reflect the standard

method you are using. Each bench sheet should have the time you grabbed the sample and then the time it was run. All bottles in your fridge should be labeled with time and signature. All chemicals should be labeled with the date when you received and opened them. Also, keep a log of everything you do in your lab and sign it. Have your boss look it over and sign it too.

All refrigerators, incubators, ovens, and muffle furnaces should have certified thermometers in them. Replace them yearly. Your solids balance should be certified yearly. If you have a fume hood it should be certified too.

Also, your lab should have a standard operating procedure (SOP) with all the QC included. This should be simple and updated every couple of years. Anyone should be able to come into your lab and perform the tests by following your SOP.

I realize that, in a lot of small towns, where a couple of operators have to do everything, it is hard to keep up QC in a lab. But, believe me when I say that it can be very important to have QC. When you are standing in front of IDEM and they are questioning your lab results, you will be glad that you implemented a QC program. ★



By Frank Pouliot, former Alliance Board Secretary

I have been given this unique opportunity to say thank you, so long, farewell, and aloha as my wife and I start a new adventure in Hawaii. It has been a delight and a pleasure to be part of the Alliance for over 17 years and to have the honor to serve on the board for the past eight. It has been said that you are a sum total of your experiences. The friends I have made and the lessons learned during my time with this organization have and will define me for the rest of my life.

The Alliance has been and, I believe, will always remain, a member-run organization, a group comprised of concerned managers and operations specialists who wish only to educate, help, and promote others in their industry. This is a premise that has served us well and a model for other groups to emulate. I cannot think of a more noble or inspirational group in which to belong. It is the people, the

members and the others who attend our conferences, expos, and training that make us who we are. This organization truly belongs to its members.

More than 2,000 people a year attend our events and the Alliance makes every effort possible to ensure they are educated, informed, engaged, and even entertained. This is a monumental task, one that can only be accomplished if you have a truly gifted and talented staff. The Alliance has had the ability to attract and retain some of the state's best folks working in the industry today. We should all be grateful for these wonderful people and the hard work they do daily to keep this organization running.

I would love to see this community, which I have grown to love and respect, continue to prosper. However, like most industries, we have problems that need to be overcome. The water and wastewater industry has image and perception problems that need to be addressed. This is a specialized

craft and needs to be acknowledged as such. Strides have been made with National Rural Water's campaign to change job titles and descriptions, but much more needs to be done.

Let's face it, there is a negative connotation associated with this industry and until we change the perception of the general public nothing will improve. At the same time, we have an aging infrastructure problem, and I'm not just talking about the pipes in the ground. Attracting young professionals to this field is a problem seen across the country. We need to draw from the pool of innovative and conscientious young people.

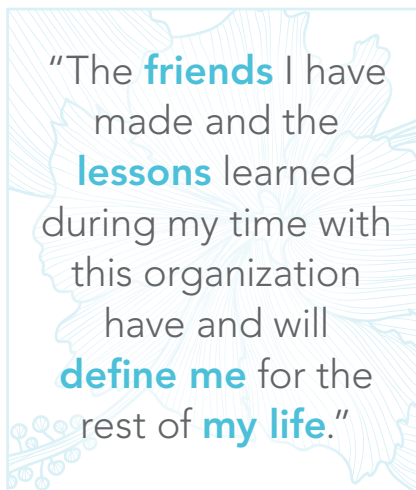
In my opinion, there needs to be a three-prong approach, starting with public relations. Chances are that the only time you hear about water or wastewater issues on the national news is when something bad has happened, the most recent example of this being the chemical spill in

West Virginia. Local utilities can be proactive by drawing attention to the good and productive things they do daily. They can publicize new plants or structure, hold open house events, and invite schools to visit and learn about their facilities. This is all wonderful and good, but we need to think even bigger.

We need a national campaign that consistently promotes our industry. If we could get the larger organizations like NRWA and AWWA to work together and fund this project, we could change public perception across this nation. We need ads, commercials, and campaigns. It might be a good idea to institute a Water Awareness Week emphasizing issues facing our industry and the importance of clean water. Or perhaps we could seek the endorsement of a well-known and respected celebrity. Could you imagine the benefit of a person like Tom Hanks doing commercials for our industry? I may be reaching, but you get the point. I believe that branding a face or image to our cause could help immensely. We need to bring the importance and benefits of what we do to the American public. Think about it: without water, not one city, town or community would even exist.

The second step following a good PR campaign is recruitment. There needs to be a national database where utilities

could access and obtain lesson plans, speeches, concepts, and ideas on how to actively seek out and attract the youngest and brightest. Fortune 500 Companies have been doing this for years and have been very successful. If we want this industry to grow and prosper so that we can meet the challenges that lie ahead, we need to attract new people and new ideas.



Changing the public perceptions about the industry will make our community more attractive to young professionals. However, people will only seek out this field as a career path if they can have job security, benefits, and pay. Unless all these

things work in concert, serious change will not happen. This brings us to my third point: the utilities themselves. We have misconceptions, especially when it comes to our own employees. I would venture to say that most utilities undervalue, and underpay their staff members. City and town councils as well as private and non-profit utilities often underestimate the value of an educated and well-trained employee. Getting boards or city councils to invest in their own employees is very difficult. They cannot recognize how valuable of an asset they have and, sadly, some don't even care. Words to the wise: "don't take your employees for granted." Losing a key employee can be incredibly difficult, especially to a small utility. Don't lose good quality people and make every effort possible to value their knowledge, experience, and education. The old saying "Good people are hard to find" is very true especially in this industry.

The task is monumental but not impossible. As Albert Einstein once said, "insanity is doing the same thing over and over again and expecting different results." We need to start thinking outside the box, and do some things differently if we want the situation to change. ★

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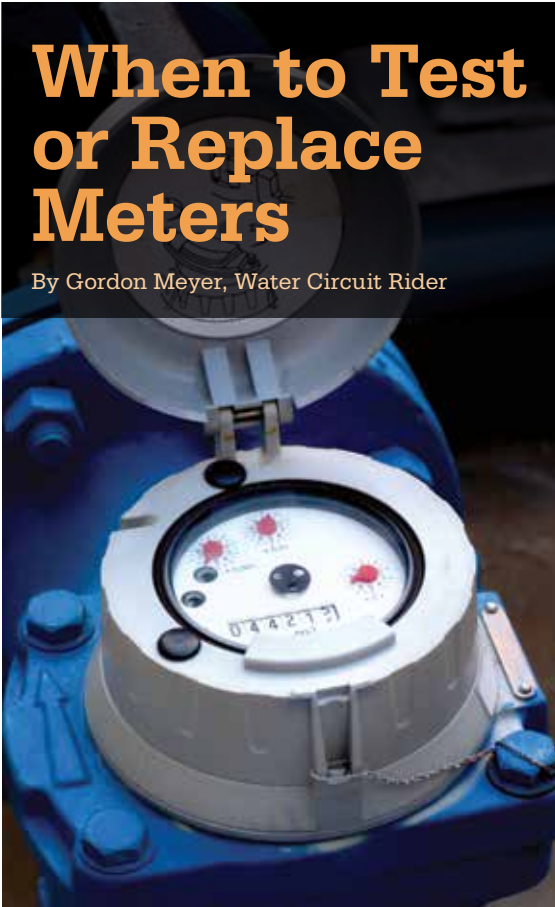
As we continue to deliver valuable information through the pages of this magazine, in a printed format that is appealing, reader-friendly and not lost in the proliferation of electronic messages that are bombarding our senses, we are also well aware of the need to be respectful of our environment. That is why we are committed to publishing the magazine in the most environmentally-friendly process possible. Here is what we mean:

- We use lighter publication stock that consists of recycled paper. This paper has been certified to meet the environmental and social standards of the Forest Stewardship Council® (FSC®) and comes from responsibly managed forests, and verified recycled sources making this a RENEWABLE and SUSTAINABLE resource.
- Our computer-to-plate technology reduces the amount of chemistry required to create plates for the printing process. The resulting chemistry is neutralized to the extent that it can be safely discharged to the drain.
- We use vegetable oil-based inks to print the magazine. This means that we are not using resource-depleting petroleum-based ink products and that the subsequent recycling of the paper in this magazine is much more environment friendly.
- During the printing process, we use a solvent recycling system that separates the water from the recovered solvents and leaves only about 5% residue. This results in reduced solvent usage, handling and hazardous hauling.
- We ensure that an efficient recycling program is used for all printing plates and all waste paper.
- Within the pages of each issue, we actively encourage our readers to REUSE and RECYCLE.
- In order to reduce our carbon footprint on the planet, we utilize a carbon offset program in conjunction with any air travel we undertake related to our publishing responsibilities for the magazine.

*So enjoy this magazine...and **KEEP THINKING GREEN.***

When to Test or Replace Meters

By Gordon Meyer, Water Circuit Rider



Water meters tend to slow down as they get older and are not as accurate as they are when first installed. This inaccuracy can contribute to unaccounted water loss, which results in lost revenue for your system.

If your system has not started a meter change-out program you should do so by replacing at least 10% of your older residential meters each year. With the rising cost of meters this may seem a little pricey to do, but after the program is started the resulting accuracy of the new meters will increase the incoming revenue, which will pay for the meters.

Other than the 10% per year change-out program, another source of keeping meters fairly in-line is to test or change-out meters by the following rule of thumb:

Meter size in inches	Time in Years			
	Displacement	Compound	Current	Fire Service
5/8"	10	-	-	-
3/4"	8	-	-	-
1"	6	-	-	-
1.5"	4	4	4	-
2"	4	4	4	-
3"	3	3	3	-
4"	2	2	2	2
5"	-	1	1	1
6"	1	1	1	1
8"	-	1	1	1

If you need assistance on this or any other problems please feel free to contact me at 888-937-4992 or drop me an email at gmeyer@inh2o.org. ★

On-Duty Depot
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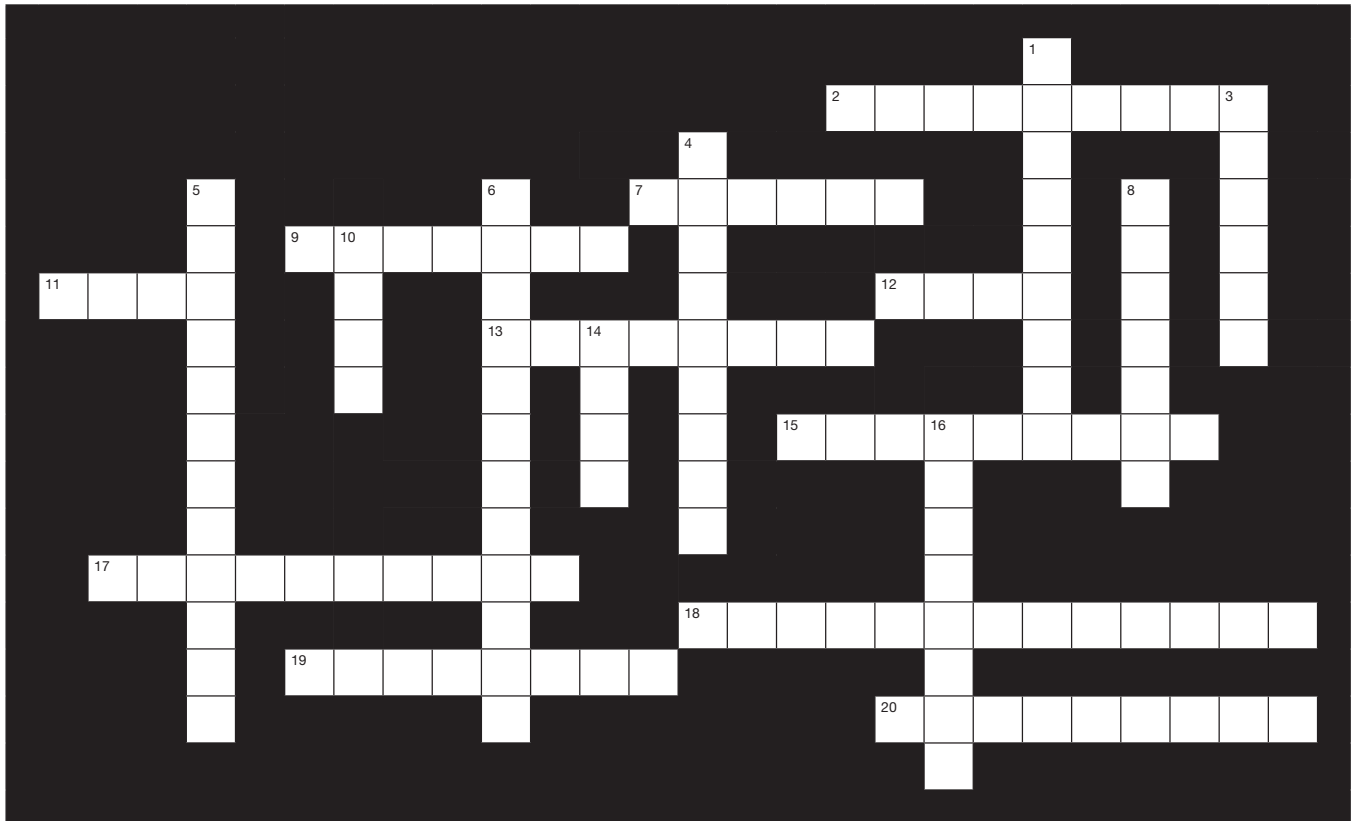
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Wastewater Treatment



ACROSS

2. Nutrient-rich product of the wastewater treatment process used as fertilizer.
7. The place where you decide what does and does not go down the drain.
9. The stage of wastewater treatment that uses settling tanks and skimmers to remove pollutants.
11. A common informal or slang term used for microorganisms.
12. Sediment such as sand and coffee grounds taken out of wastewater during treatment.
13. Treated wastewater that is recycled back to the environment after it goes through the treatment process.
15. Hanging with no visible support in air or liquid, as solids in wastewater.
17. The natural pathway of water from clouds to rain to the earth and back into the clouds that occurs again and again.
18. A plant or animal so small it can only be seen through a microscope.
19. The addition of air to water to help microorganisms in the wastewater treatment process.
20. The stage of wastewater treatment that uses biological processes to remove pollutants from wastewater

DOWN

1. The presence of harmful materials in water, air or on land.
3. Subset of wastewater that contains human waste.
4. Any substance that dirties air, land or water.
5. The process of eliminating most microorganisms in wastewater, including most of the bacteria.
6. How clean water is for supporting life, the level of water purity.
8. A machine used to remove fats, oils and grease that float to the surface during primary treatment.
10. An informal term used for cloth and paper products removed by bar screens during preliminary treatment.
14. Masses of bacteria and suspended particles that clump together and settle in secondary clarifiers.
16. Disease-causing microorganism.

SOLUTIONS

ACROSS
 2. BIOSOLIDS 7. SOURCE 9. PRIMARY 11. BUGS 12. GRIIT 13. EFFLUENT 15. SUSPENDED 17. WATER CYCLE 18. MICROORGANISMS 19. AERATION 20. SECONDARY
 DOWN
 1. POLLUTION 3. SEWAGE 4. POLLUTANT 5. DISINFECTION 6. WATER QUALITY 8. SKIMMER 10. RAGS 14. FLOC 16. PATHOGEN

October 14, 2014

We would like to thank the Alliance of Indiana Rural Water for their assistance during the Vigo County fifth grade field days at the Vigo County Fair Grounds. Seelyville Water Works was contacted by The Vigo County Soil and Water Conservation District about teaching the 1,140 fifth graders the importance of clean safe drinking water.

We appreciate the help of Toby Days, who took three days from his busy schedule to set up the aquifer model and assist our operator in teaching these classes. Without your organization's assistance, it would have been a great undertaking for our operator.

Thank you for your continued support and for the important role the Alliance plays in educating and representing smaller utilities. We appreciate all you do for us.

Town of Seelyville

I would like to reflect on the importance of organizations like The Alliance of Indiana Rural Water. I have been involved with the Alliance for 16 years now and have been completely satisfied with their work ethic and professionalism as well as their speed in getting the job done – and done right the first time. When a repetitive drops in to see you when you are in an emergency mode, the Alliance has always helped in any way the could to bring the problem to a satisfactory end, including making phone calls to other water people for advice on problems new to us.

I have used the Alliance training program for most of my 16 years as a Licensed Water Operator. They make the IDEM and EPA mumbo-jumbo understandable and will stay with a subject and explain it until you understand it. They don't leave you hanging. We at Montezuma Utilities have hosted training seminars for the Alliance and plan on continuing to do more in the near future. I know the Alliance works on a very tight budget and, in order to continue performing their tasks with the same high standards as in the past, they will need the necessary funding, along with help from as many people as possible.

We all drink the same water. The safety of our drinking water should be as high a priority as possible, for without it we shall all perish. The Alliance is essential to maintaining high quality while meeting the ever-changing needs of our water customers. Please help keep The Alliance fully funded so they can continue their professional services and keep us safe.

*James D. Berry,
Montezuma Utilities*

November 25, 2014

I am writing in support of Joe Frazier and his work with the Alliance of Indiana Rural Water. On numerous occasions Joe has come to the aid of Turkey Run and Shades State Parks with both invaluable information and services. In all cases he has saved the property time and money with accurate diagnoses of issues and solutions that fit within our budget and met our strict standards.

Most recently, we had a significant water leak at the Turkey Run Inn, where one of our water mains was leaking 70 to 90 gallons per minute. We were forced to turn off water to the ever-popular Overlook Cabin during the Thanksgiving holiday week. We called an industrial plumbing contractor in to dig up the line where we believed the leak to be located but, after a half-day spent digging, we were unable to find the leak. We called in Joe, who was able to meet us on property within several hours. Through his expertise and specialized equipment, Joe was able to pinpoint the exact area of the leak. The following day, the contractor was called back out to dig up the line and make the necessary repairs.

If not for Joe and the Alliance of Indiana Rural Water, we would most assuredly have incurred great expense attempting to locate the leak, not to mention the inability to use the Overlook Cabin. The service they provide is invaluable to us here at Turkey Run and Shades State Parks. I look forward to continued collaboration with Joe and the Alliance of Indiana Rural Water.

*Sincerely,
Shaun Payne
Assistant Property Manager
Turkey Run & Shades State Parks*

December 3, 2014

The Alliance of Indiana Rural Water has assisted The Town of Danville Indiana Water Pollution Control Facility in providing operator training throughout industry-related seminars and state-certified wastewater exam review training courses. Four operators have received licensing and are able to stay updated on their CEU training.

They have been great to work with and we appreciate all they do. Thank you.

*Tony Kirkpatrick
Assistant Superintendent
Town of Danville, Indiana*

December 3, 2014

The Town of Rockville would like to ask for the Alliance funding to be continued in the future, as the training and assistance the staff has given the Town of Rockville over the past 18 plus years has been very helpful.

The Alliance not only provides one-day seminars, but also holds spring and fall events in the Northern and Southern parts of the state to help water and wastewater professionals meet requirements to continue to be certified operators. Some of the training sessions are at a minimal cost to the town compared to other training providers that charge more than small communities can afford to pay.

Another helpful assistance that the Alliance provides is that, on any given day, they are just a phone call away and, if they don't answer immediately, the staff does return calls as soon as possible to respond to any question our employees may have. If the Alliance does not have the answer we need, then they can almost always find the right person who does, thanks to the vast network of members and companies that provide services to the water and wastewater field.

One example of the assistance provided by the Alliance is the help Rex Blanton is providing with the Net DMR changes for wastewater reporting at wastewater treatment plants, information critical to complying with new EPA requirements in the near future.

Thank you for your time. Please contact William White at rockwwtp@sbcglobal.net should you need any further information in regard to this matter.

Town of Rockville

December 4, 2014

We have greatly appreciated having Kevin Wenzel of the Alliance of Indiana Rural Water help us during this year of major transition. Toward the beginning of the year, our wastewater superintendent relocated without notice, leaving us without a licensed operator. Kevin so graciously traveled to our town. He was of much help in guiding us on what we needed to do in operating the plant at the time, getting our name out there for anyone interested in the position, and answering any questions we had. Kevin has also been available when we called with other concerns, stopping in to see if the plant is full functioning and if we needed any other assistance. We very much appreciated his help and guidance.

Thank You,
Tracy Lang
Deputy Clerk
Town of Boswell

December 10, 2014

I just wanted to take this opportunity to say "Thank You" [Rex Blanton] for all of your time and assistance in training our Wastewater Treatment Plant Operators. We have had operators that tested for their Wastewater Treatment Plant Operator Certification through the Indiana Department of Environmental Management on their own and were unable to pass the test. After taking your Certification Exam Review course they passed with flying colors. Not only were they able to pass the examination, they also have greater confidence in their abilities.

We will soon have another individual ready to begin his certifications. We know that attending your course will help him achieve his goals.

Thank you for all that you and the Alliance of Indiana Rural Water do to help train operators to keep our waterways and drinking water safe for future generations!

Robert E. Waples
Water/Wastewater Operations Manager
Lebanon Utilities

The Alliance of Indiana has been a great help for our community. Staff always stopped by to see if we needed assistance, even before we became members. The Alliance has excellent training seminars for our employees for continuing education and advancing knowledge in water and wastewater. I've been to many other wastewater seminars by companies mainly there to promote or sell a product, with not much information to help me as a wastewater operator.

On many occasions, Alliance staff Rex Blanton and Kevin Wenzel have helped me with pretreatment and operational problems with activated sludge. They were quick to help me get my water flea infestation under control.

Nineteen people from surrounding communities and one from our staff attended a wastewater operator certification exam prep class held in our town this year to help operators gain the knowledge needed to pass IDEM'S certification test. I personally sat in on the seminar. Rex Blanton is an excellent teacher. He provided crucial information for passing the very difficult test and came to the wastewater plant to give a few people from the class extra help with math that would be on the test.

I contacted Kevin Wenzel to help me with NETDMR. He quickly responded and walked me through all the steps required to complete the process and start submitting monthly reports online to the EPA.

Alliance membership is very affordable. They offer a huge amount of knowledge and support. As a certified operator of The Town of South Whitley Wastewater Treatment Plant, I can be assured the Alliance Staff will be here to assist in any problem that arises.

Kent Slater
Town of South Whitley WWTP Operator

These photos were all taken somewhere in Indiana.
Can you pinpoint the location? (Answers at bottom.)



1. Sugar Creek
2. Wabash
3. Michigan City lighthouse
4. Squire Boon Caverns
5. Mansfield Roller Mill

Mid-Atlantic Storage System
#6
1/8h - 4c

DN Tanks
#12
1/8h - bw

Bernardin Lochmueller & Assoc
#17
1/8h - 4c

Fleis & VandenBrink Engineering
#24
1/8h - 4c

Water Solutions Unlimited
#26
1/8h - 4c

HD Supply Waterworks
#31
1/8h - 4c

HOOSIER PIPELINE

The official publication of the Alliance of Indiana Rural Water

To reach water professionals through *Hoosier Pipeline* and its targeted readership, contact Dave at your earliest convenience to discuss your company's promotional plans for 2014 & 2015.

Dave Gill, *Marketing Manager*

Email: david@kelman.ca

Phone: 866-985-9791 Fax: 866-985-9799



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