

HOOOSIER PIPELINE

SUMMER/FALL 2021



The official publication of the Alliance of Indiana Rural Water



ALLIANCE
OF
INDIANA
RURAL WATER

'21

Fall Conference
October 20 & 21
Fort Wayne, IN

The logo for the Alliance of Indiana Rural Water features a stylized red and blue 'A' shape. Below it, the text 'ALLIANCE OF INDIANA RURAL WATER' is displayed in a mix of bold, sans-serif and script fonts. A large blue water droplet contains the number '21'. To the right, the event details 'Fall Conference October 20 & 21 Fort Wayne, IN' are listed in bold, sans-serif text.

INSIDE: FALL CONFERENCE | WORKPLACE SAFETY | SAMPLING AND RECORD KEEPING

ETNA

SUPPLY COMPANY

**YOUR WHOLESALE PROVIDER OF
MUNICIPAL/UTILITY/WATERWORKS
SUPPLIES**



1212 South Walnut Street | South Bend, IN 46619
574-287-0132

www.etnasupply.com

PROUD DISTRIBUTOR OF:

Mueller SYSTEMS

ROMAC
INDUSTRIES, INC.

FORD

FORD METER BOX



AMERICAN
FLOW CONTROL

AND OTHER QUALITY MANUFACTURERS

A large, dark blue Flygt Concertor pump is the central focus of the advertisement. A glowing, blue and red brain graphic is superimposed on the top of the pump, symbolizing intelligence. The pump has a blue label with the FLYGT logo on its side. A circular graphic on the left contains the main headline.

NEW CONCERTOR™ PUMPING SYSTEM WITH INTEGRATED INTELLIGENCE

WORLD'S FIRST WASTEWATER PUMPING SYSTEM WITH INTEGRATED INTELLIGENCE

This revolutionary system delivers optimal performance while reducing your total cost of ownership. It also offers unparalleled flexibility and simplicity on a whole new level. You might even say it thinks for itself. We invite you to enter a new era in wastewater pumping with Flygt Concertor.

One powerful solution. Unlimited possibilities.

Flygt Indianapolis Branch

7615 West New York Street
Indianapolis, IN 46214

PH: 317.273.4470

FX: 317.273.4480

www.xylem.com/pumping

xylem
Let's Solve Water

POTABLE WATER
WASTEWATER
STORM WATER
CIVIL/TRANSPORTATION
DAMS/LEVEES
ELECTRICAL/ENERGY SAVINGS



COMMONWEALTH[™]
ENGINEERS, INC.

Corporate Headquarters:

7256 Company Drive, Indianapolis, IN 46237

Regional Offices:

Evansville, Fort Wayne, and Crown Point, IN

Phone : 317.888.1177 or 800.289.1177

Fax: 317.887.8641

E-mail: cei@contactcei.com

WWW.COMMONWEALTHENGINEERS.COM





Published for Alliance of Indiana Rural Water
 555 W. Jefferson St., Franklin, IN 46131
 Phone: 317-789-4200 • Fax: 317-736-6676
 Help Line: 888-937-4992 • www.inh2o.org

ALLIANCE BOARD OF DIRECTORS

President

Tom Speer, *City of Lawrence Utilities*
 (NRWA National Director)

Vice President

Tim Doersam, *Jasper Municipal Utilities*

Treasurer

Adam Sams, *LaGrange County Regional Utility District*

Secretary

Brad Colter, *Connersville Utilities*

DIRECTORS

Todd Gardner, *BBP Water Corp.*

Faith Willoughby, *Town of Chalmers Waterworks*

Nancy Harmon, *South Henry Regional Waste District*

Pete Crowl, *Hamilton Lake Conservancy District*

ASSOCIATE DIRECTORS

Richard Burch, *Midwestern Engineers, Inc.*

David Harvey, *Water Solutions Unlimited*

ALLIANCE STAFF



Connie Stevens
Executive Director



Dave Adkins
Water Circuit Rider



Rex Blanton
Wastewater Training Director



Kelly Gardner
Assistant Executive Director



Toby Days
Source Water Specialist



Dee Deig
Energy Efficiency Circuit Rider



Judy Jacobs
Office Administrator



Gordon Meyer
Water Circuit Rider



Donald Papai
Apprentice Training Director



Chad Reynolds
Water Circuit Rider



Amanda Rush
Accounting Director



Kelly Strain
Member Services and Training Coordinator



Laura Vidal
Marketing and Public Relations Director



Kevin Wenzel
Wastewater Circuit Rider



Sherri Winters
Water Programs Director

HOOSIER PIPELINE

SUMMER/FALL 2021



The official publication of the Alliance of Indiana Rural Water

FEATURES

2021 SPRING CONFERENCE RECAP	13
FALL CONFERENCE	19
2021 OPERATOR EXPOS RECAP	21
MAKING HISTORY	28
TRAIN EMPLOYEES ON THE IMPORTANCE OF SAFETY	30
GAS CHLORINE OR LIQUID CHLORINE – WHICH DO YOU PREFER?	31
IMPROVING ENERGY EFFICIENCY FOR WATER AND WASTEWATER SYSTEMS	32
SAMPLING AND RECORDKEEPING: WHO, WHAT, WHEN, WHERE, AND WHY	34
USDA IS COMMITTED TO PROTECTING SOURCES OF DRINKING WATER: INDIANA'S "GRASSROOTS" SOURCE WATER PROTECTION PROGRAM	36
WATER LOSS AUDIT BRAIN TEASERS	41



DEPARTMENTS

PRESIDENT'S MESSAGE	7
EXECUTIVE DIRECTOR'S MESSAGE	9
ASSISTANT EXECUTIVE DIRECTOR'S MESSAGE	10
WORD SEARCH	45
DO YOU KNOW YOUR INDIANA WATER?	47
PROFESSIONAL DIRECTORY	48
ADVERTISER PRODUCT & SERVICE CENTER	50



PUBLISHED BY



Tel: 866-985-9780
 Fax: 866-985-9799
 www.kelmanonline.com

Managing Editor
 Design/layout
 Marketing Manager
 Advertising Co-ordinator

Christine Hanlon
 Dia Chea
 Dave Gill
 Stefanie Hagidiakow



**WHEN YOUR TOWN
IS COUNTING ON
YOU, YOU CAN
COUNT ON US.**

The Municipal professionals at Ferguson Waterworks are dedicated to providing the best service and solutions for customers in urgent and emergency situations. No matter what, no matter where, Ferguson Waterworks is on hand to help resolve critical challenges thanks to our expert associates and vast inventory of waterworks products.

FIND YOUR NEAREST WATERWORKS LOCATION
[FERGUSON.COM/WATERWORKS](https://www.ferguson.com/waterworks)



Tom Speer
Alliance Board President

Marching On

Greetings once again Alliance members. 2021 continues to be a bit of a struggle with the ongoing pandemic, but your Alliance team is marching on and continuing to provide the services you have come to expect.

Let's recap some events that have happened so far this year. First, our Spring Conference in French Lick was a huge success with over 700 in attendance. If you were unable to attend you missed a great time. Our first night began with a pre-conference party at Legends sponsored by National Water Services. I want to say a BIG Thank You to National Water Services for sponsoring this event. The conference began Wednesday morning. We had to adjust the class and break schedules a little to accommodate for social distancing, but it all worked out well. We had many great speakers and the classes were all very informative. The exhibit hall was filled with all kinds of great things for all to see and make personal contact with our vendors. We want to thank our vendors for coming and for their sponsorships. The conference ended with our raffle prize winners. Look for the section in this magazine for pictures of all the winners and other events that took place during the conference.

Next is the event we all like... the Operator Expo's in Huntingburg and Akron. These events were held in June and were very well attended. I can't mention the expos without saying thank you to Water Solutions Unlimited and to David Harvey and Mike Ricks and their crew for their expertise in roasting the hog at both events.

Our next event will be the Leadership Summit in Bloomington. This is very important for utility boards and councils as well as general managers. Greg Coker will be there talking about Leadership in Adversity, How to Attract and Keep Good Employees, and Succession Planning. We will have several great speakers that can be very helpful to your utility.

We're looking forward to the NRWA WaterPro Conference in Milwaukee, Wisconsin in September. If you've never

been to this conference, you really should consider going and... It's really nearby this year.

Our Fall Conference will be in Fort Wayne again this year on October 20 and 21. This conference continues to grow and offers outstanding class room time. Come join us!

Wrapping up, we want to thank you for your continued support. This is your association so please reach out to us if you have questions or need assistance with an issue. We are here for you. ★



You wouldn't trust just anyone with your kids...
why would you with your most
precious resource?

Trust the experts - call Everett J. Prescott
for all your waterworks needs.



1-800-EJP-24HR

www.ejprescott.com



WATER • WASTEWATER • STORMWATER
SOLUTIONS

INNOVATIVE BALL CHECK VALVES



1. GIVE QUICK ACCESS TO THE INTERIOR OF THE SYSTEM

Thanks to the smart design, you have an easy access to the interior of pipes, impeller or to the ball itself. Our customers perform the 3" valve service in an average of 5 minutes. Service of other valves lasts from 2 to even 4 times longer. Quickly and without dismantling the whole valve.



Scan the QR code.



2. PREVENT CLOGGING

Plastic cutlery, diapers or t-shirts - things like that, found in sewage system, can easily clog common valves. With a fully open position, starting from the flow rate of 2.3 fps, the valve is resistant to this issue. We have proved it in our video test on YouTube.

3. SPACE-SAVING, LIGHTWEIGHT CONSTRUCTION

A two-in-one (elbow, check valve) or even a three-in-one (elbow, check valve, knife gate valve) compact solution with reduced number of flange connections enables space saving in a lift station, therefore reducing construction costs.



INDIANA PUMP WORKS, LLC

We Make Flow Happen

A veteran owned small business

www.IndianaPumpWorks.com

317-360-PUMP

SZUSTERsystem

innovation is essential





Connie Stevens
Executive Director

Leadership – We all do it

Whether we realize it or not, at some point in our lives we are leaders. It may be managing a water utility, or being the certified operator in charge, chairman of a committee, coach of a sports team or a deacon in your church. Most times leadership is something you do without getting paid for it, but it is an important role that we don't think about. People are watching, young and old, and are influenced by what we say and do.

That said, please do not think you have to be so focused and serious about leadership that you forget to enjoy life. I would like to encourage you to lead a happy life. I hope that you are doing the job you love.

Now moving on...

There are different types of leaders in this world, including good and bad ones. Let's focus on some qualities of a good leader:

- **Inspire and Motivate** – Spreading positive vibes, words of encouragement to the people around us. Giving them more responsibility in order to grow.
- **Honesty** – The ability to tell the truth at all costs and under any circumstance. This builds trust from those around you.
- **Integrity** – Leading honorably. Always trying to do the right thing.
- **Communication** – Providing clear direction or information as well as being a good listener. Asking for input with sincerity.
- **Self Confidence** – Showing confidence by having the facts and knowing what you are talking

about or being informed about the project you are working on. This also leads to confidence from your team. If you are confident, they will be too.

- **Accountability** – Being accountable for your actions and the actions of those around you. If you are wrong, own it.
 - **Empathy** – Listening, sympathizing and understanding the people around you will help to connect with them.
 - **Lead by Example** – Treating others with dignity and respect.
- These are all great qualities, but we are not perfect. We must remember

that leaders are human beings and will make mistakes. It is how we respond to those mistakes that will make a difference.

The Alliance of Indiana Rural Water will be holding a Leadership Summit in Bloomington on July 28 and 29. We will have excellent speakers covering many topics that could be very helpful to you and your communities. I hope to see you there.

So, what will our legacy be when we leave this world? How will we be remembered?

"If your actions inspire others to dream more, learn more, do more and become more, you are a leader." – John Adams ★

Providing **sustainable solutions** to Midwest communities since 1989



For your next project, choose
HWC ENGINEERING



hwcengineering.com







Kelly Gardner
Assistant Executive Director

Apprenticeship Program Update

The Alliance of Indiana Rural Water nationally registered Apprenticeship Program is an excellent way for transitioning water and wastewater employees into water/wastewater operation specialists for the systems they work for. The nationally-recognized apprenticeship training program was developed in response to the industry's need for assistance in training the next generation of skilled workers and to standardize training across the state. Once an Apprentice completes the two-year program and passes the aptitude test given by the State of Indiana, they are considered a journey worker according to the national apprenticeship standards and a licensed operator in the state of Indiana, allowing the operator to do the daily tasks of running and operating a water or wastewater system unsupervised.

The Alliance of Indiana Rural Water currently has 45 apprentices in the program across the state. Many operators have inquired what utilities are enrolled in the program. There are multiple types of systems in the apprenticeship program that range from the smallest to larger municipalities, which includes cities, towns, regional sewer districts and non-profit systems. The apprenticeship program is assisting employers and new hires with training in many locations across the entire state.

Of the licensed operators mentoring apprentices many have worked for their systems for most of their careers. The valuable knowledge they are sharing

"The Alliance of Indiana Rural Water currently has 45 apprentices in the program across the state."

during the training process with the apprentices will pass on valuable knowledge and experiences of their systems to the next generation. The Apprenticeship Program provides utilities with the training needed for their new employees to learn all aspects of the industry and is an excellent alternative to an expensive college education.

The first Indiana apprentice, Nicholas Hines, completed the nationally recognized apprenticeship program with the Alliance of Indiana Rural Water in 2019 and was recognized at WaterPro in Nashville, TN. Nicholas received his WT3 and his DSL operator's licenses with IDEM and he is now a mentor at his utility, training an apprentice who is currently the youngest enrolled apprentice in the Apprenticeship Program. The utility had to wait until the apprentice turned 18 to enroll him in our program. Nicholas is also helping assist a neighbor utility as the operator in charge of the water plant.

The second Indiana apprentice, Tony Janeway, with the Town of Roann completed the wastewater apprenticeship program and received a class I with IDEM. Tony is continuing to advance in this industry and going to

get his water license. Tony will be replacing his mentor as he nears retirement.

The third Indiana apprentice, Catlyn Helmuth, with the Town of Lagrange, completed the wastewater apprenticeship program and received a class III with IDEM. Catlyn applied for a provisional license with IDEM near the end of the program when his mentor retired and was approved. Catlyn was given six months and one chance to pass the exam. He did it!

The fourth Indiana apprentice, Michael Reid, with Steuben Lakes Regional Sewer District completed the wastewater apprenticeship program and received a class I with IDEM.

All four of these graduates have worked very hard. If you know any of them, please congratulate them.

Water/Wastewater workers were essential employees long before COVID-19 but their importance has come into greater focus during the pandemic crisis. They all must pay close attention to the support and protection of their workforce. After all, who will fill their shoes in the event one becomes ill? We all know the abundance of licensed operators is not overflowing. If you are interested in the Apprenticeship Program, please contact Kelly Gardner at kgardner@inh2o.org for more information. ★



Nicholas Hines, BBP Water Corp. – First Indiana Apprentice



Catlyn Helmuth, Town of Lagrange



Michael Reid, Steuben Lakes Regional Sewer District



Tony Janeway, Town of Roann

**IT'S SIMPLE.
IT'S EASY.
IT'S WATERLY.**

**NO MORE CLIPBOARDS.
NO MORE SPREADSHEETS.
JUST A DIGITAL SOLUTION
FOR MANAGING YOUR
WATER DATA.**



GO DIGITAL NOW: WWW.WATERLYAPP.COM

QUESTIONS? CALL OR TEXT 833-492-8370



NO LOWER BEARINGS, SPROCKETS, BUSHINGS OR GUIDES. NO PROBLEMS!

Capture more debris with no fouling or jamming. Lakeside's **Raptor® FalconRake® Bar Screen** features a trouble-free stainless steel chain link design and multiple rake heads to achieve continuous, highly efficient solids removal with low headloss. The energy saving drive system operates at variable speeds to ensure superior cleaning, and is easily accessible above the water surface. And, as with everything Lakeside manufactures, our heavy-duty design and all stainless steel construction is made to last even in the most severe conditions. Protect your downstream equipment with the **Raptor FalconRake Bar Screen**, Lakeside's proven, durable and cost-effective screen technology for rapid debris removal in municipal and industrial applications.

REPRESENTED LOCALLY BY:



WaterWorks LLC

8651 Castle Park Drive
Indianapolis, IN 46256
T: 317.842.3226 x-127
E: ken@FACOLLC.com



Cleaner Water for a Brighter Future®

Speak to one of our experts at **630.837.5640**, email us at **sales@lakeside-equipment.com** or visit **lakeside-equipment.com** for more product information.



Raptor® Screening Products

- Fine Screen
- Micro Strainer
- Rotating Drum Screen
- Septage Acceptance Plant
- Septage Complete Plant
- Complete Plant
- Multi-Rake Bar Screen
- FalconRake® Bar Screen
- Rotary Strainer Screen
- Wash Press



2021 SPRING CONFERENCE

Recap

Thank you to everyone who participated in the conference at the beautiful French Lick Resort. It was great to get back together in person again! We welcomed everyone on Tuesday evening with a FANTASTIC hospitality party sponsored by National Water Services at Legendz. If you didn't make it there this year, make sure you plan to attend next year!

Wednesday morning, we hit the ground running and participants started off to their special track of classes – administrative, water, or wastewater. We staggered classes this year to reduce the number of people in the exhibit hall at one time, which seemed to be beneficial for both attendees and vendors! Since we couldn't host an Awards Luncheon this year at the event, we had screens up throughout the venue to honor our best of the best in the industry as well as four outstanding students with \$2,000 scholarships!

Wednesday evening, we hosted an event outside with cocktails and appetizers, in addition to pizza and bowling inside! It was a great time to wind down from a full day of classes while mingling with peers and friends, and enjoying some really great weather!

Thursday, everyone woke up to a delicious hot breakfast buffet before starting in on another day of classes. Also, we held the first round of our Regional Taste Test Competitions. The Town of Osgood will advance to the Best Tasting Water in Indiana contest to be held in Fort Wayne at the Fall Conference. We wrapped up the conference by announcing the big Sportsman's





Raffle grand prize winner. Over \$5,500 in tickets were sold for the Sportsman's Raffle, the proceeds of which were donated to WaterPAC! This year's winner was Jim Perry from Cataract Lake, who walked away with a John Deere Zero Turn Lawnmower worth over \$2,500! Dave Harvey from Water Solutions Unlimited won the shotgun raffle. Reggie

Payton from BBP Water Corp. won the all-inclusive trip for two to the NRWA conference in Milwaukee, Wisconsin – sponsored by Covalen & Midwestern Engineers, Inc. Thank you to all our attendees, speakers, vendors, and sponsors for helping make this another fantastic event! ★

Inside Drops for Manholes

Stop wasting resources on outside drops!

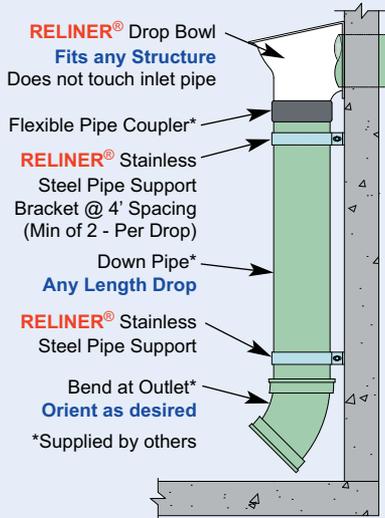
Find out why sewer districts throughout the USA are specifying RELINER® products



Photo by Central Industrial Contractors

Manhole Inside Drop

- Eliminate outside drops
- Reduce maintenance
- Simplify cleaning
- Stop Corrosion
- Install Quickly



Outlet sizes to service
4" lateral drops through
24" wet well drops

RELINER®/Duran Inc.

www.reliner.com

1-800-508-6001



Stainless Pipe Supports

- Adjustable, non-corrosive
- 11 gauge 304 or 316 SS
- Supports the pipe fully
- 1.5"-30" dia. in stock
- Easy to install

From Coast to Coast

USALCO® Covers All Your Coagulant Needs



USALCO®, the Eastern US's premier manufacturer of aluminum-based chemicals for municipal and industrial customers for 60 years, is pleased to announce that we have acquired CalCHEM and are expanding our operations to serve the West Coast and Rocky Mountain regions. Our extensive and evolving product line, focused technical support, and customer-driven culture have enabled USALCO® to deliver exceptional results and value. We are committed to being the coagulant manufacturer you can count on to meet all of your water treatment needs.



www.USALCO.com



Call or visit our website to learn more about USALCO® products and services.
(410) 918-2230 • info@usalco.com



integrated
WATER QUALITY SOLUTIONS

ClarkDietz
 Engineering Quality of Life®

WATER | WASTEWATER | STORMWATER
 Illinois • Indiana • Kentucky • Wisconsin • clarkdietz.com

Certified Water Audit Validators on staff to meet the IFA requirements.

Repair, Rehabilitate & Restore

From private industries whose profitability depends on long-lasting potable water systems, to public utility departments that manage water and sanitary sewer systems, OBIC offers customizable solutions that are proven to extend the life of water and wastewater structures for 50 years or longer.

- *Manhole Coatings*
- *Wet Wells & Tank Linings*
- *Potable Water Storage Basins*
- *Culvert Lining Installations*
- *Landfill Leachate Tank Coatings*
 - *Secondary Containment*
 - *Clean Room Applications*



**Advanced
 Rehabilitation
 Technology**

525 Winzeler Drive, Unit
 Bryan, OH 43506
www.artcoatingtech.com

419-636-2684



When it absolutely, positively
MUST LAST

To learn more about  certified installers visit www.obicproducts.com

The best of the best in the water and wastewater industry were honored at our 2021 Spring Conference. Each recipient was presented with their award prior to the conference, then recognized throughout the event on a slideshow displaying on the event center's tv monitors throughout the venue!



Water System Operations Specialist of the Year

Gordon Meyer (R) presents the award to **Howard Watts**, City of Austin Wastewater Treatment Plant (L).



Wastewater System Operations Specialist of the Year

Dave Adkins (L) presents the award to **Don Long**, Town of Ladoga (R).



Manager of the Year

Gordon Meyer (L) presents the award to **Ken Alexander**, Watson Water Company (R).



Administrative Professional of the Year

Dave Adkins (R) presents the award to **Chuck Stranahan**, West Terre Haute Water Works (L).



Associate Member of the Year National Water Services



President's Choice Award

Tom Speer (R) presents the award to **Anita Amspaugh**, Midwestern Engineers, Inc.



Steward of the Environment

(L-R) Associate Board Members Dave Harvey and Richard Burch; award recipient **Bruce Cunningham**, South Harrison Water Co.; and Connie Stevens, Executive Director, AIRW.

2021 SCHOLARSHIP

Recipients

Each year the Alliance awards scholarships based on fundraising from our annual Golf Outing and Clay Shoot. This year the Alliance awarded FOUR \$2,000 scholarships! Eligible 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. ★



Grace Hall

Daughter of Greg Hall
Greenfield Water Utility



Akina Lindley

Daughter of Robert
Lindley Monticello
Wastewater Utility



Elaine Shock

Daughter of Ryan Shock
Town of North Manchester



Preslie Staggs

Daughter of
Heather Staggs
City of Martinsville



**Water Well Drilling
Pump Sales & Service
Well Rehabilitation/ Cleaning
Hydrogeological Services**

**Filter/ Media Replacement
Valve Repair & Maintenance
Water & Wastewater
Treatment Plant Maintenance**

1 (812) 723-2108
www.national-water.com

MAKE PLANS TO JOIN US!

Alliance of Indiana Rural Water's



Fall Conference

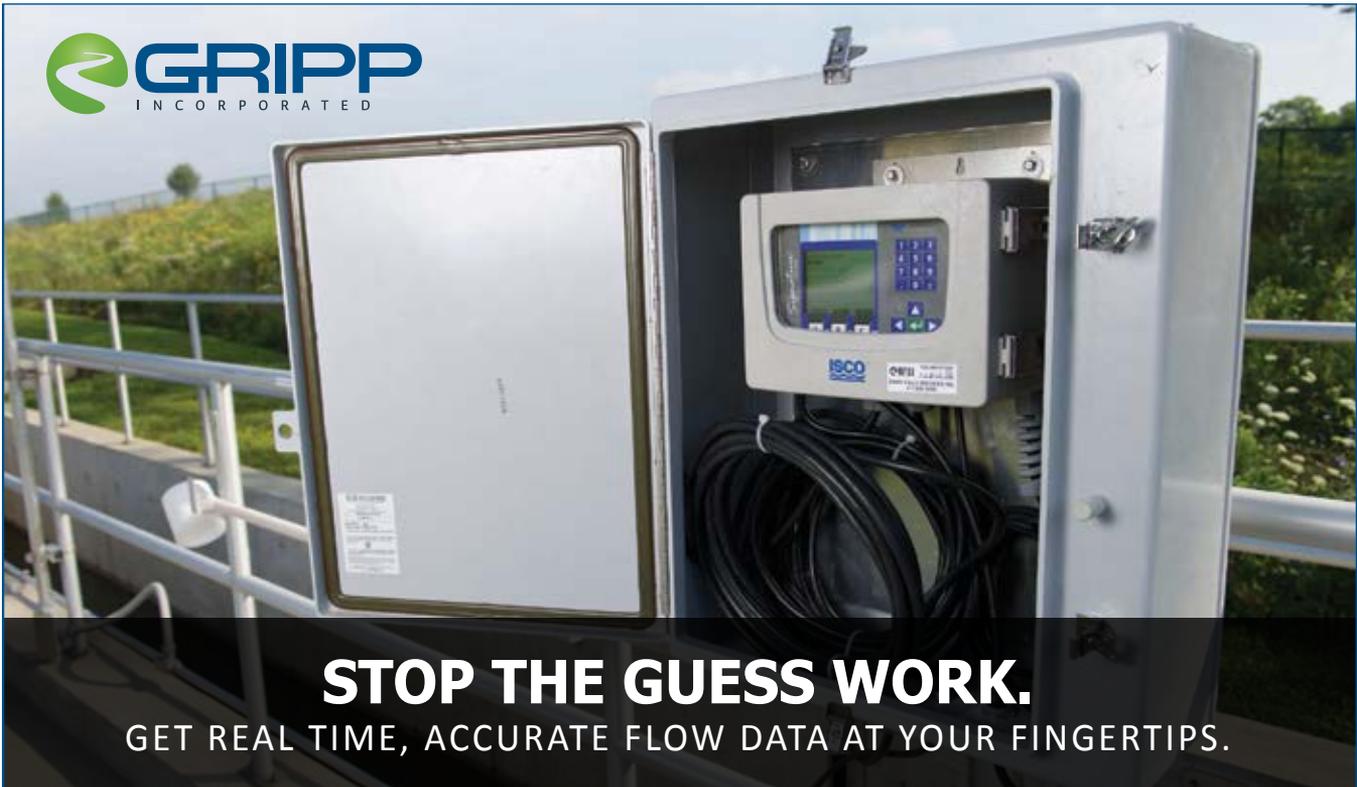
**October 20 & 21
Fort Wayne, IN**

@ THE GRAND WAYNE CONVENTION CENTER

Earn up to 10 water AND wastewater credit hours!

Plans are in full swing! Check our website for details and class schedules as they become available!

www.inh2o.org



STOP THE GUESS WORK.

GET REAL TIME, ACCURATE FLOW DATA AT YOUR FINGERTIPS.



317.896.3700



**ORIGINAL LEADER AND INNOVATOR
OF PRESTRESSED CONCRETE TANKS**

888-PRELOAD | WWW.PRELOAD.COM | INFO@PRELOAD.COM

2021 OPERATOR EXPOS

SOUTHERN – HUNTINGBURG, IN/
NORTHERN – AKRON, IN

Recap



Our Southern Expo was held on May 16, in Huntingburg, Indiana and our Northern Expo held on May 23, in Akron, Indiana, were both big successes! We had over 225 people in attendance at each and it was beautiful weather to gather back together again! Both events featured our ‘famous’ hog roast, donated by Water Solutions Unlimited while the Schnitzelbank & Jonsey’s Junction catered the rest of the food.

The Meter Toss, Backhoe Rodeos, and the Expoo Royal Flush contests provided chances to win cash and prizes, and didn’t disappoint on the fun!

Huntingburg Meter Toss Winners

Powder Puffs:
Angie Willoughby – IDEM

Young Bucks:
Steven Dorton – Edwardsville Water Corp.

Grizzly Ol’ Veterans:
Mike Compton – Town of Paoli

Huntingburg Backhoe Rodeo Winner
Blake Lindauer – Huntingburg Municipal Utilities

Huntingburg Expoo Royal Flush Winner
Ed Hollinden – Jasper Municipal Utilites

Akron Meter Toss Winners
Powder Puffs:
Caroline Gregory – Bourbon



Young Bucks:
Tony Fey – Bluffton Utilities

Grizzly Ol' Veterans:
Rick Prater – North Manchester

Akron Equipment Rodeo Winner
Jeff Crandall – Wanatah

Akron Expo Royal Flush Winner
Tony Fey – Bluffton Utilities

Thanks to all our attendees,
demonstrators and especially our
sponsors. We couldn't do it without
you! Hope to see all of you next year! ★



**global expertise
delivered locally**

asset management

steel & concrete tanks | treatment plants
pipes | meters

water quality in distribution systems

in-tank water mixers | trihalomethane removal systems
disinfectant residual control systems

smart metering services

Advanced Metering Infrastructure (AMI) | smart meters
managed services | performance guarantees

CONTACT YOUR LOCAL WATER SYSTEM CONSULTANT

Marc Hansen
855-526-4413 | ask@suez.com
www.suez-na.com



An ISO 9001:2015 Quality Assured Company



SERVING CUSTOMERS SINCE 1999

317-884-0010

1001 COMMERCE PKWY, S. DRIVE, #A
GREENWOOD, IN 46143

SEXSONMECHANICAL.COM

Water & Wastewater Maintenance and Repairs
HVAC & Plumbing Service
Electrical Maintenance & Repairs
Construction Services
Welding & Fabrication Services
Excavation Services



ORTMAN
Since 1922
DRILLING & WATER SERVICES

Water Well Design & Installation
Well & Pump Testing/Maintenance
Well Cleaning & Rehabilitation
Well Field Testing & Exploration
Water Filter Plant Services
Hydrogeological Services
Fire Wells

**SUMMER DAYS NEVER
LOOKED SO CLEAR**

RESEARCH • DESIGN • CONSTRUCTION • MAINTENANCE

ORTMANDRILLING.COM • KOKOMO, INDIANA • (765) 459-4125

16th Annual Alliance Scholarship Clay Shoot & Golf Outing

Thursday, September 2nd, 2021

Kingen Gun Club
5112 W. 500 N
McCordsville, IN 46055

Registration: 7:30am
(Coffee & Donuts)

Start Time: 8:00am -10:30 am

Cost: \$50 / person

Winding Ridge Golf Course
5450 Bogey Drive
Indianapolis, IN 46235

(Located just off East 56th Street)

Registration: 10:00am

Lunch: 11:00am

Tee Time: 12:00pm (Shot gun start)

Format: Scramble, Teams of four

Cost: \$125-Individual / \$400-Foursome

Dress Code: Collared Shirt, Soft spikes

All proceeds benefit the Alliance of Indiana Rural Water's Scholarship fund.

Meet the 2021 Scholarship Winners



Grace Hall

Daughter of Greg Hall
Greenfield Water Utility



Akina Lindley

Daughter of Robert Lindley
Monticello Wastewater Utility



Elaine Shock

Daughter of Ryan Shock
Town of North



Preslie Staggs

Daughter of Heather Staggs
City of Martinsville



Send Registration to - Email: alliance@inh2o.org or **Fax:** 317-736-6676
or **Mail:** P.O. Box 789, Franklin, IN 46131

Please return registration forms to the Alliance office no later than August 30, 2021.

Any refunds will be subject to \$15 administrative fee.

(Questions - call toll free 888-937-4992, or email: alliance@inh2o.org)

16th Annual Alliance Scholarship Clay Shoot & Golf Outing

Registration Form

Company _____ Phone _____ Email _____

Address _____ City _____ State _____ Zip _____

GOLF

Name _____

Place me with a team Individual: \$125

List Team Members: Foursome: \$400

Name _____

Name _____

Name _____

CLAY SHOOT

\$50 / Person
(includes lunch at the golf course)

Name _____

Name _____

Name _____

Name _____

**All proceeds benefit the Alliance of Indiana
Rural Water's Scholarship fund.**

Sponsorships (must be secured by August 12th, to receive signage.)

- Golf Tournament Sponsor (1 Available)** \$400
Recognized as a tournament sponsor with signage, including contests and prizes.
- Beverage Cart Sponsor (3 Available)** \$350
Recognized as the beverage sponsor with signage.
Also, a company representative may drive the beverage cart.
- Clay Shoot Sponsor (Unlimited)** \$250
Recognized as a sponsor with signage at the event.
- Hole Sponsor (Unlimited)** \$125
Recognized as a hole sponsor for the golf tournament with signage.

<input type="checkbox"/> Send Invoice <input type="checkbox"/> Enclosed is my check # _____ <input type="checkbox"/> Please charge my credit card Visa MC Card # _____ Expiration date _____ Name on card _____ Billing Zip _____ Signature _____ CVV# _____	Registration _____ Sponsorship _____ Total \$ _____
--	--



Send Registration to - Email: alliance@inh2o.org or **Fax:** 317-736-6676
or **Mail:** P.O. Box 789, Franklin, IN 46131

Please return registration forms to the Alliance office no later than Aug. 30, 2021.
Any refunds will be subject to \$15 administrative fee.
(Questions - call toll free 888-937-4992, or email: alliance@inh2o.org)



PEERLESS WATER UTILITY PUMPING SOLUTIONS



Central & Southern IN Representative

S & K Equipment Company, Inc.

P.O. Box 342, Vincennes, IN 47591

812-886-0245 | sales@skequipment.com | www.skequipment.com



**2005 DR. M.L.K JR. ST
INDIANAPOLIS, IN 46202**





The importance of clean water and the proper disposal of wastewater demands the utmost in pumping reliability and performance. That's why Peerless Pumps are an integral part of municipal pumping stations and treatment plants throughout the country and around the world.



VISIT US!
WWW.PEERLESSPUMP.COM





BY DONALD PAPAI
APPRENTICE TRAINING DIRECTOR

MAKING HISTORY

Ladies and Gentlemen, it is time to face the music... You know it, I know it, and our industry knows it. A crisis is looming, if not already here: the lack of certified operators. The Alliance Staff just returned from an in-service where we received a block of instructions on how to become better at what we do and pass that information on to you "The People." After hearing stories from other states, we realized that the predicament is much closer than you can even imagine.

How can we avert disaster? Take one full minute and think about this. *I mean really think about it!* Dig deep and look at our industry, at every intricate aspect. What can "We" do to help make it more appealing to younger folks?

Let me define younger folks a little better for you:

- Millennials: born 1981 to 1996. ...
- Generation Z: born 1997 or after. ...

Let us focus on these two groups. They were born into the digital world;

their minds are wired slightly differently than most of us baby boomers. But that is a good thing. Now what we need to do is to help feed the need. Younger folks absorb (remember that students) so much information on a daily basis that it's truly mind boggling. Let's make our industry part of that absorption process. Let's put together a program that will provide the necessary information in a 24-month period, information that will flash across their mind's screen and be absorbed. What has taken most of us 30 years to gather will be presented to these individuals in short zip file method.

How? By creating an apprenticeship program. Currently all 50 states are putting a program together as we speak. Our program here in Indiana is blazing the trail for others to follow and they are doing just that.

What we need to do is to get the word out that our industry in moving to the elite status of **"utility professionals."**

Reach out to the high schools, job fairs and let them know, "We are here!"

Interested individuals must complete an application and if all criteria are met, they will be placed into a pool. Municipalities looking to fill the shoes of an employee that had been with the system for 35 plus year must also meet the criteria set out in the apprenticeship program in order to be eligible. Once all the "t's" have been crossed and the "i's" dotted, let the magic begin!

A little bit about our program:

As most of you know I have been around the block at least two times if not more. What I have seen was a need to get back to the basics, to plant a seed and nurture it.

Sometimes as human beings we get *comfortable*; that is just in our nature. We learn from one another, but somewhere along the line, a small short-cut is made, and it



Apprentices that made the Alliance Spring Conference French Lick.

becomes part of the SOP (standard operating procedures). We do not know any better, because that is the way we were taught.

That is where this program can and will help. Let me share a glimpse of what the apprentice will encounter.

Currently the way the program has been structured looks like this: Both Water and Wastewater have been set up in semesters 1, 2, 3, and 4. A few classes from each group include:

- Water group 1 semester 1 – Rules, Regs and Sampling – Chemical Handling & Safety
- Water group 2 semester 2 – Disinfection & Intro to Math – Valves, Pipes and Hydrants
- Water group 3 semester 3 – Pumps and Motors - Distribution, Maintenance and Advanced Math
- Water group 4 semester 4 – Asset Management – Cyber Security
- Wastewater group 1 semester 1 – Wastewater Sampling & Testing – Wastewater Collections
- Wastewater group 2 semester 2 – Primary Treatment/Basic Math – Wastewater Maintenance
- Wastewater group 3 semester 3 – Activated Sludge, Lab & Math – Disinfection, Pumps & Pumping
- Wastewater group 4 semester 4 – Asset Management/Cyber Security

Along the way, quizzes, homework assignments, and semester finals will be distributed.

The main intent is to get these individuals up to speed quick, fast and, in a hurry, so they take the reins and guide us into the 21st century.

Summary: People, people, people, the time was 10 years ago when this program need to be implemented, so we are way behind and willing to make a deal. Let that deal begin with “You” making the first step into our future.

For more information concerning our Apprenticeship program please visit our website www.inh2o.org or call our toll-free number 1-888-937-4992 ★

Midwestern Engineers, Inc.



LOOGOOTEE, IN
812.295.2800

WWW.MIDWESTERNENG.COM

INDIANAPOLIS, IN
317.334.0262

Excellence in Engineering Since 1946



Columbus City Utilities' New Wastewater Treatment Plant



www.strand.com

10 Locations • 812-372-9911

**Multidisciplinary firm serving
the public and private sector**



BY DAVE ADKINS
WATER CIRCUIT RIDER



TRAIN EMPLOYEES ON THE IMPORTANCE OF SAFETY

Work place safety. This is something we hear all the time but how many of us really make this a high priority? It's easy

to forget that we work in a dangerous environment around things that have the potential to cause us harm or in some instances death. How many times have

you heard someone say I've done this a million times? I would venture to say probably more than once. I'm sure I am probably guilty of saying that myself. I would like to share a couple of stories of people I know who let their guards down in regards to safety and the outcomes of doing so.

In the first instance the operator and his helper were working at the wastewater plant and needed to clean the sleeves on the UV lights. They had a two-bank system with four bulbs per bank. The sleeves were 1" in diameter 4' long. The operator and his helper pulled each bank individually and cleaned the sleeves and put them back in service. Later that evening they both ended up in the emergency room with burns to their eyes because they didn't shut off UV lights before cleaning the sleeves. The ER doctor told them it was the equivalent of watching someone weld without a helmet. Luckily for them after a couple of days they were fine but it was a hard way to learn a lesson.

In the second instance a young man I knew worked for a tank inspection company around the Northern Indiana, Chicago area several years ago. He went to do a tank inspection like he had done many times before and for whatever reason didn't feel like the situation called for the use of a gas/air monitor. He died because the environment was oxygen deficient.

I know recently in Northern Indiana three construction workers died in a confined space accident. So, yes, work place safety is extremely important. If you don't have a confined space entry program start one. Have regular safety meetings with your employees. Make sure to emphasize and train new employees on the importance of safety and the dangers of the environment in which they are working. ★

 **NuSystems LLC** IS NOW...
A Clearbrooke Technologies Company

 **CLEARBROOKE TECHNOLOGIES**
Blending Science and Nature

www.clearbrooketech.com
1-989-625-5020

ISI Infrastructure Systems, Inc.

260 W. Vincennes Street • P.O. Box 148 • Orleans, IN 47452

Phone: (812) 865-3309 • Fax: (812) 865-3009 • E-mail: jstalker@infrastructuresystems.com

Available Services

- Waterline Installation (all sizes & types)
- Storm and Sanitary Sewer Installation
- Wet Tapping thru 12"
- Rock Trenching & Busting
- Cased Bores
- Directional Bores
- Restoration
- Booster Stations
- Chemical Feed Plants
- Lift Stations
- Demolition
- Vacuum Excavation
- Vac Truck Services
- Culvert Pipe Lining
- Insertion Valves/Line Stops





BY CHAD REYNOLDS
WATER CIRCUIT RIDER

Gas Chlorine or Liquid Chlorine – Which Do You Prefer?

Which is the best fit: gas or liquid chlorine? Do you have one you prefer over the other and is there a correct answer? We all have our own opinions on with which we would rather work. Both have a pungent odor and leave a terrible taste in the mouth. Yet one or the other is a necessity to controlling bacteria in the water we deliver to our community.

Gas chlorine is poisonous and is a pulmonary irritant. If a large amount is ingested it can cause acute chlorine gas poisoning. The primary irritant is respiratory, symptoms of which include trouble breathing, coughing, nose irritation, sneezing, or a burning sensation. The best treatment if you encounter gas chlorine poisoning is flushing of the area affected. Chlorine gas fumes rise, so its important to stay low if you are ever in a room where there is a leak.

Sodium hypochlorite, more commonly known as liquid bleach, is faintly yellow in color. Liquid bleach is much safer than gas chlorine. Like gas chlorine, it is extremely harmful if ingested or swallowed. More injuries occur with liquid than they do from gas. Most injuries are skin- or eye-related. Flushing and washing the areas affected are crucial.

Starting around the 1930s, gas chlorine became available for a disinfectant. Gas chlorine is delivered by the use of a vacuum pump, whereas liquid bleach is delivered by the use of a metering system. Chlorine gas is greenish yellow, with a density almost double that of air. It can't be stored in large quantities and most prefer 150-pound cylinders. Its very important to change out the lead gasket when switching cylinders and to inspect the cotton-like material at the vacuum pump. Chlorine is a dirty substance,

“Gas chlorine is poisonous and is a pulmonary irritant.”

but in liquid form it's at its most dirty. One must rinse out the storage and day tanks routinely in order to assure a good quality disinfection is being achieved. If tanks are not properly maintained, it can and will lead to problems at the metering device. To disinfect water, a lower concentration of liquid bleach is used than that of gas. Generally, in a liquid form around a 10% concentration is needed. Equivalent to one pound of gas chlorine, one gallon of liquid bleach weighs in around 10 pounds. Both of these disinfectants are very corrosive and can cause a lot of damage. Certain materials are affected more by the fumes than others. CPVC piping and tanks are best suited for storing and

transporting to the system. Always be sure to use respiratory equipment when entering a room where a known leak is and have proper ventilation.

Liquid chlorine if stored in large quantities and not used quickly enough can lose its potency, which can give the operator difficulties in maintaining a residual in the system. However, with gas chlorine it is much easier to achieve the desired residual. In the end its purely a choice made by the operator. Liquid is typically cheaper to purchase, but sometimes the repairs it creates can balance out the difference. Remember to always be safe and be cautious when handling either of these products, whether liquid or gas. ★



WEALING BROTHERS LLC BIOSOLIDS MANAGEMENT COMPANY



INDUSTRIAL & MUNICIPAL

- Dredging
- Land Application
- Permitting
- Digester Cleaning
- Dry Spreading
- Mobile Dewatering
- Lagoon Clean Out

Biosolids
Regional
Storage
Facility

Chad Wealing
(765) 714-2099
chad@wealingbros.com

Lance Wealing
(765) 430-6473
lance@wealingbros.com

4161 N. 600 E.
Fowler, IN 47944

Ph: (219) 261-2520
Fax: (219) 261-2531

THE KNOWLEDGE, THE EXPERIENCE, THE EQUIPMENT.
Off-Site Biosolids Storage/Disposal Facility • Biosolids Regional Storage Facility

www.wealingbrothers.com



IMPROVING ENERGY EFFICIENCY FOR WATER AND WASTEWATER SYSTEMS

What can I do? Asking this question is a great place to start. The following is a concise list of places to start and things to think about:

How do we use energy in our facilities?

- Electrical Energy – used to conduct unit processes and operations.
- Aeration and pumping in wastewater treatment.
- Pumping for water treatment.
- The Environment Protection Agency (EPA) estimates 4% of power generated in the US is for water and wastewater treatment (56 billion kWh, \$4 billion, 45 tons of greenhouse gas GHG produced).
- 30% to 40% of total operational costs are energy.

What can I do to help save energy = (\$)?

- Understand electric utility rates and rate structure.
- Understand your utility bill.
- Maximize off-peak demand to reduce cost through load monitoring and shifting opportunities.
- Investigate utility rebates and incentives.
- Investigate federal and state grants for energy efficient operations.
- Use alternative energy sources.

Maximizing Off-Peak Demand

- Utility companies typically **measure** power as the average **demand** over

15 minutes. This is done by adding up the energy consumed and then dividing by the interval of time, giving units of power, kW. The highest average 15-minute period of **demand** over a month is known as peak **demand**.

- Typically, the most expensive energy usage time is Monday through Friday 1:00 pm to 7:00 pm.
- Peak demand is **caused** by spikes in usage.

Energy Assessment

- Establish a baseline of Energy usage – how much energy is the plant using?
- Next step – Implement passive and active energy efficiency measures: Passive – easy to implement without complex automation; and Active – requires automation and optimization.
- Final Step – metering to benchmark energy usage and establish future energy goals.

Easy Energy Efficient Measures to Achieve

- Replace inefficient motors for more efficient motors.
- Add VFDs to pumps and motors where appropriate.
- Manage HVAC and lighting loads.
- Install or upgrade SCADA to monitor and control energy usage.
- Suggest behavior changes.
- Work with your electric utility to find additional funding, i.e., rebates and incentives.

Water Treatment

- Pumping applications – efficient pumps and motors and variable frequency drives (VFDs).
- Pump optimization with SCADA.
- Proper maintenance and operation of pumps systems.
- Maintaining nameplate efficiencies of all equipment.
- HVAC, lighting, UV disinfection or pretreatment systems.
- Providing storage to allow for pumping during low energy demand times for electric utilities and distributing the water by gravity during high demand times could help with obtaining incentives or reduced rates from local electric utilities.

Wastewater Treatment

- Aeration and pumping applications.
- High efficiency motors and VFDs.
- Dissolved Oxygen (DO) monitoring and control can provide critical energy efficiency – adequately spaced and maintained DO sensors with properly sized blowers.
- Pump and blower optimization – know which pumps or blowers to use at what time and maintaining control over the requirement.
- Equalization basins – shifting treatment to low energy demand times. This is true for pumps and blowers too.
- Find applications to dewater sludge efficiently – reduce handling \$.
- Methane produced by anaerobic digestion – Can it be used for cogeneration or heating?

Finally, contact me for a no-cost, noobligation energy assessment today!

Dee Deig

Energy Efficiency Technician
Alliance of Indiana Rural Water
ddeig@inh2o.org
317-508-1505 ★

CHLORINE SAFETY!

Chlorine & Chemical Tank Scales

◆ Know exactly how much you fed & how much remains



FORCE FLOW

CHECK. CONTROL. COMPLY.
www.forceflowscales.com

Chlorine Emergency Shutoff Systems

◆ Instantly STOP a dangerous chlorine leak!



HALOGEN VALVE SYSTEMS, INC.

Your Partner in Safety
www.halogenvalve.com

FORD Secura-Lok

Patent 10,794,514

INTEGRATED VALVE LOCKS BY FORD METER BOX



- LOCK OPERATIONAL
- LOCK OPEN
- LOCK CLOSED

260-563-3171
fordmeterbox.com



BY SHERRI WINTERS
WATER PROGRAMS DIRECTOR



There are over 90 contaminants that a community public water supply must monitor. We are seeing many new operators entering the drinking water industry and sometimes it can seem like a daunting task to them. But the regulatory agencies, the US Environmental Protection Agency (EPA) and our primacy agency, the Indiana Department of Environmental Management (IDEM), have made it as easy as possible. Drinking Water Watch: <https://myweb.in.gov/IDEM/DWWW/>

As I've discussed in many of my training classes, the standardized monitoring framework (SMF) is necessary. Knowing where to find it is imperative to plan your sampling schedules. Long gone are the days when IDEM mailed you a copy of your SMF. Sure, it was convenient for an operator to post in his/her office. But changes can occur daily and unless you are updating that copy, you may miss an updated schedule.

Who is responsible? The utility, IDEM and EPA are. You are responsible for sampling and submitting to IDEM. IDEM is responsible for reviewing the results and working with the utility for compliance. EPA is responsible for setting up the schedules and adding new regulations as mandated by law. This includes research on health effects, cost analysis and overall benefits to the public.

What are you monitoring? As mentioned above, EPA is tasked with setting up monitoring compliance based on their research and input from the primacy agencies and the public.

When are you monitoring? It depends on many things. The type of system (surface/groundwater) is the first thing to consider. Population also plays a role; larger systems

Sampling and Recordkeeping: **Who, What, When, Where, and Why**

generally submit more samples for many potential contaminants. Some samples (disinfection by-products being one) must be taken during specific times of the year. I encourage you to take any samples at the beginning of your monitoring period in order to avoid running into your next period and complicating things. For instance, take your Total Coliform samples at the beginning of your monitoring period.

Where are you monitoring?

It depends on what you are monitoring. Some are obtained from raw water sources, some are obtained at the point of entry (POE) and some are obtained in the distribution system. Many like Total Coliform and Lead and Copper are taken from specific sites and a site sampling plan is required. These plans are submitted to IDEM for approval.

Why are you monitoring? First and foremost, the monitoring is required to prevent adverse health effects to your consumers. Secondly, you need to know if your treatment is working in order to make adjustments to your finished water.

Maintaining records is also imperative to compare past and present results no matter the sample. Always ensure your records are kept and use them as the tool that they are. Good records can also be used for future reports. Be aware of significant changes. Have you changed treatment recently or do you need to make adjustments? Compare results from previous days, months, and years to detect trends. Factors that can affect your results are pH, temperature, and amount of organics, to name a few.

Common errors on documentation and sampling:

- 1) Hurrying through the procedure
- 2) Getting distracted
- 3) Not having a Standardized Operating Procedure (SOP) or making sure everyone is on the same page
- 4) Improperly documenting (1.0 instead of 0.1),
- 5) Using expired chemicals/ reagents. Most errors are human and not chemical. If ever there are questions the Alliance and IDEM can always help. ★

McMAHON
ENGINEERS ARCHITECTS

NEENAH, WI 920.751.4200
MACHESNEY PARK, IL 815.636.9590
VALPARAISO, IN 219.462.7743

MCMGRP.COM

In loving memory of our founder, Buddy Waller

12/30/31 to 5/1/21
Thank you to all our suppliers and customers for your condolences.
The best way to honor Buddy's memory is to continue doing business with Waller's!

WALLER'S METER, INC
Est 1982, Madison, Indiana
800-485-7018 wallersmeterinc.com

Badger Meter
Authorized Distributor



Floyds Knobs, Indiana 47119
812-941-0300
EST. 1994

24 Hour Emergency Service

Over 40 Years Combined Experience

INSTRUMENTATION

Telemetry & SCADA
Flowmeter Certification
Instrument Calibration
Control System Design

ELECTRICAL

Electrical Design and Installation
Electrical Motor Repair
Electrical System Repair

MECHANICAL

Lift Station & Pump Station
Maintenance
Pump Repairs
Mechanical Maintenance

BY TOBY DAYS
SOURCE WATER SPECIALIST



SOURCE WATER PROTECTION

What is the Source Water Protection Program (SWPP)?

The **Source Water Protection Program** (SWPP) of the US Department of Agriculture (USDA) is a joint project with USDA **Farm Service Agency** (FSA) and the **National Rural Water Association** (NRWA), a non-profit water and wastewater utility membership organization. The SWPP is designed to help prevent pollution of surface and groundwater used as the primary source of drinking water by rural residents.

How does SWPP work?

Through NRWA, full-time rural source water technicians with practical experience are hired. The technicians work with specialists from the USDA **Natural Resources Conservation Service** (NRCS) and state and county FSA staff, to identify areas where pollution prevention is most needed. Once areas for pollution prevention are identified, technicians work with state rural water associations to create local teams made up of citizens and individuals from federal, state, local, and private organizations. These teams collaborate to create a Rural Source Water Protection plan to promote clean source water. The plan identifies voluntary actions that farmers and ranchers can install to prevent source water pollution.

The Farm Bill and Source Water Protection

In addition, 2018 Farm Bill passage expands funding for drinking water protection. This is an exciting opportunity for agriculture producers to assist rural Indiana communities in

“The SWPP is designed to help prevent **pollution** of surface and groundwater used as the **primary source** of drinking water by **rural residents**.”

protecting their sources of drinking water. The 2018 farm bill increased conservation funding and mandates that 10% of funds authorized for conservation programs, like the Environmental Quality Incentives Program and the Conservation Reserve

Program, must be used to protect sources of drinking water. That’s an incredible \$4 billion over the next 10 years. It also increases rental rate payment incentives for agricultural producers to implement practices that benefit source water protection and



a better filter, a better future.

The Modular Rotating Biological Contactor
By Advanced Aquacultural Technologies

More efficient, more effective:

- Configurable to most sizes of systems, flexible and modular in nature
- Biological filtration while providing oxygenation and CO2 stripping
- Save energy over trickling filters

Capable of supplementing existing filtration systems or serving as a primary system for most aquaculture facilities.

Learn more at:

www.advancedaquaculturaltechnologies.com 1.574.457.5802.



WHAT IS SOURCE WATER PROTECTION?

Source Water Protection is a planning process conducted by local water utilities, landowners and government agencies to protect drinking water sources from overuse and contamination. The process includes identification of water sources, assessment of known and potential threats of contamination, notification of the public and steps to eliminate the contamination within a Source Water Protection Area (SWPA).

PREVENTING THE POLLUTION OF THE LAKES, RIVERS, STREAMS AND GROUNDWATER THAT SERVE AS DRINKING WATER SUPPLIES NOW AND FOR FUTURE GENERATIONS.

 A SWPA is the land area that contributes water to the drinking water supply (e.g. Well or surface water intake) and where pollution from human activities or natural sources poses the greatest threat to source water quality.

 The size of the SWPA may vary based on a variety of hydrogeological, environmental, regulatory and management factors.

 Methods for delineating or mapping groundwater SWPAs around wells can differ widely from those for delineating surface water SWPAs.

 The Indiana Department of Environmental Management (IDEM) has delineated all the SWPAs for public water systems within Indiana.

FOR MORE INFORMATION



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM)

IDEM provides an online Source Water Proximity Determination Tool www.in.gov/idem/cleanwater/pages/wellhead/ that can be used for site specific inquiries regarding whether a site is located within or outside of an IDEM approved Source Water Protection Area.

For more information about IDEM's Source Water Protection efforts visit: <https://www.in.gov/idem/cleanwater/2368.htm>

UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)

For more information about USDA's Source Water Protection Program visit: <https://www.fsa.usda.gov/programs-and-services/conservation-programs/source-water-protection/index>

To find your local USDA Service Center for your FSA and NRCS representative visit: <https://offices.sc.egov.usda.gov/locator/app>

ALLIANCE OF INDIANA RURAL WATER

Alliance of Indiana Rural Water provides training and technical assistance to entities wanting to protect Indiana's water resources.

For more information contact: Toby Days, Source Water Specialist at: 317-789-4200 or by email at: tdays@inh2o.org

“In addition, 2018 Farm Bill passage expands funding for drinking water protection.”

empowers community water systems to work with their local USDA offices to identify local priorities for source water protection.

This is a great opportunity for USDA to form new partnerships with local water systems and agriculture producers, partnerships that address source water protection challenges associated with agriculture and forestry practices.

A Partner in Source Water Protection

Toby Days, Source Water Protection Specialist for the Alliance of Indiana Rural Water www.inh2o.org, the Indiana affiliate

of the NRWA. Toby's position is funded through an agreement with the USDA Farm Service Agency which provides him funding to travel across Indiana, assisting communities in protecting their source of drinking water. Working with communities throughout the state since 2002, Toby has built a trusted relationship with professionals in the water industry and can be a great asset for County USDA Offices and community water systems when prioritizing source water protection activities. Toby has also been part of the USDA State Technical

Committee to identify state-approved source water protection areas and is familiar with the conservation programs and incentive packages available to agriculture producers through NRCS and FSA.

As Toby travels throughout Indiana working on source water protection projects, he will be stopping by County USDA Offices and community water systems to introduce himself and to drop off educational materials that promote the USDA conservation programs within source water protection areas.



USDA'S 2018 FARM BILL AND SOURCE WATER PROTECTION

The 2018 Farm Bill mandates that 10% of funds authorized for conservation programs be used to protect sources of drinking water. That's an incredible \$4 billion nationally over the next 10 years! It also increases rental rate payment incentives for agricultural producers to implement these conservation practices within state approved SWPAs. This is an exciting opportunity for USDA to form new partnerships with farmers and local water systems to improve drinking water quality across Indiana.

Contact your local USDA NRCS or FSA office to determine if your farm is within a state approved Source Water Protection Area, and to determine the best conservation program to meet your landuse goals.

FARM SERVICE AGENCY

FSA's Conservation Reserve Program (CRP) has traditional enrollment and targeted options within wellhead protection areas with added incentives.

CRP provides cost-share and annual payments to convert marginally-productive cropland and marginal pastureland to perennial vegetation. Whole-field and buffer options exist to reduce soil erosion, filter nutrients and sediment, promote wildlife habitat and improve water quality.

Common CRP practices in Indiana include:

- Native Grasses and Wildflowers;
- Non-Native Grasses and Legumes;
- Tree Plantings;
- Pollinator Plantings;
- Filter Strips;
- Grassed Waterways;
- Wetland Restorations;
- and other practices.

NATURAL RESOURCES CONSERVATION SERVICE

NRCS's Conservation Stewardship Program (CSP) and Environmental Quality Incentive Program (EQIP) and others offer traditional enrollment, and EQIP offers targeted options in wellhead and surface water protection areas with added incentives.

NRCS program options provide practice and annual or easement payments to reduce soil erosion, filter nutrients and sediment, promote wildlife habitat and improve water quality.

Common EQIP and CSP practices in Indiana include:

- Cover Crops;
- Reduced Tillage;
- Nutrient Management;
- Crop Rotation;
- Livestock and Manure Management;
- Erosion Control;
- Wetland Restorations;
- and other practices.

INDIANA'S "GRASSROOTS" SOURCE WATER PROTECTION PROGRAM

USDA'S COMMITMENT TO PROTECTING SOURCES OF DRINKING WATER

This brochure was developed in partnership with:



USDA is an equal opportunity provider, employer and lender.

To learn more about the Source Water Protection program or to request a meeting with Toby contact him at:

Toby Days
Alliance of Indiana Rural Water
Source Water Specialist
555 W Jefferson St

Franklin, IN 46131
317-789-4200
tdays@inh2o.org ★

Peerless-Midwest, Inc. Returns to Local Ownership



Peerless-Midwest, Inc., a water supply contracting company with

offices throughout the Midwest, will be employee-owned as of April 1, 2021. The company was sold to SUEZ in 2016 and is now being purchased back with an Employee Stock Ownership Plan (ESOP) – returning it to local ownership and control.

“SUEZ has elected to move in a different strategic direction and that presented the opportunity for the buy-back,” noted Jim Williams, Board Chairman for the

company. “Utilizing the ESOP approach, every person in the company is a stockholder with an ownership stake. We have a talented and highly motivated group and look forward to continuing our 48-year tradition of service to the water supply industry.”

Mike Williams will serve as Chief Executive Officer (CEO) and Cathy Lance will be the Chief Operating Officer (COO) when the transaction closes on March 31, 2021. All existing employees will be retained, and the company is planning for additional personnel and facilities to accommodate growth.

To learn more, visit www.peerlessmidwest.com. ■



NATIONAL RURAL WATER ASSOCIATION

NRWA *America's Largest Utility Membership*

PFAS DETECTION - TIME SENSITIVE

Has your system had PFAS detections at any level?

If your system has had PFAS detections at any level or there is a potential contaminat source in your area, register your utility now to be eligible to recover any current or future expenses associated with PFAS testing, treatment and/or remediation.

As background, in 2019, the National Rural Water Association engaged with the law firm of Napoli Shkolnik to file a cost recovery action so system could recover current and future expenses for testing, treatment and remediation of PFAS contamination. Additional background information is available at www.napolilaw.com/nrwa-pfas/. The sole purpose was to provide systems the opportunity to recover their expenses, but the system must be registered prior to a settlement being reached. Settlement talks are under way thus we encourage your system to review the information below about possible benefits from participation. There are three key points to this action:

- The action taken is cost recovery not punitive
- It is filed against the global manufactures of these forever compounds thus does not impact a local company who may have used them
- There is no upfront cost to register onto the rolls and benefit from this action, but a system must be registered prior to a settlement in order to benefit.

How to Register

1. Register at www.napolilaw.com/nrwa-pfas. There is also additional information on PFAS, the cost recovery action and the law firm at this site.
2. Email Sam Wade, former CEO of NRWA, at Swade@napolilaw.com.
3. Contact Sam Wade by phone at 580-917-1425.

There is no threshold to register your utility and protect your utility and ratepayers from this financial burden.

NRWA encourages your system to review this information and consider participation. Formal presentations are also available to your utility and can be arranged by contacting Sam Wade at Swade@napolilaw.com or by phone at the above number.



**NAPOLI
SHKOLNIK** PLLC
ATTORNEYS AT LAW



BY GORDON MEYER
WATER CIRCUIT RIDER

Water Loss Audit Brain Teasers

Hello everybody, I thought I would send out a few brain teaser questions. These questions about the Water Loss Audit may not seem relevant now but will once again be on the front burner next year.

When the new year comes you may feel as if you have plenty of time to complete the audit and have it validated. Time passes quickly and the sooner you complete the audit and have it validated the less pressure there is on you.

So here we go.

1. When using the Water Loss Audit Software what does the acronym CRUC mean?

- A. Central Rate Unit Costs
- B. California Utilities Rock Calculus
- C. Customer Retail Unit Costs
- D. Customer Reaction
Usually Consistent

2. When is the next Validated Water Loss Audit due to the Indiana Finance Authority?

- A. August 1, 2022
- B. January 1, 2023
- C. August 1, 2021
- D. February 30, 2022

3. True or False

Water Loss is the difference between water supplied volume and authorized consumption, also equal to the sum of apparent and real losses.

4. What is the accounting for all water introduced into the water distribution system and then consumed to estimate volumes of water loss?

- A. Water Leak Survey
- B. Water Load Action
- C. Water Loss Audit
- D. Water Leaks Always Surface

5. What is the portion of authorized consumption that is billed and produces revenue, including billed metered consumption and billed unmetered consumption?

- A. Water Loss
- B. Income Water
- C. Revenue Water
- D. Non-Revenue Water

If you have any questions about the Water Audit, please feel free to contact me or any other of Alliance Water Team.

Some of the questions were written with information by the AWWA M36 Water Audits and Loss Control Programs Fourth Edition. ★

Answers: 1. C, 2. A, 3. True, 4. C and 5. C



engineering | architecture | geospatial





GRW | engineering | architecture | geospatial
 9001 N. Wesleyan Road, Suite 200, IN 46268
 (317) 347-3650 | www.grwinc.com

STRUCTURE. & INTEGRITY.

PITTSBURGH TANK & TOWER GROUP

An ESOP Company Since 1919

"100 years and still climbing"

CREWS AVAILABLE GLOBALLY 

[WWW.PTTG.COM](http://www.pttg.com)



INSPECTIONS	REPAIR	TANKS
Wet	Code Updates	Elevated
Dry	Paint	Ground
ROV	Insulation	Relocation
In-Service Cleaning		Erection
		Dismantles

 **CERTIFIED FABRICATOR**

NEW TANKS – Rick DiZinno (270) 826-9000 ext. 2601

EXISTING TANKS – Jordan Pyles (270) 826-9000 ext. 4601

Measure Every Drop...




Bill Every Drop...

Itron
kamstrup

United Systems
AMR / AMI | SOFTWARE | WATER LOSS

Scott Smith - Region Manager - 270.703.0697
 www.united-systems.com - 800.455.3293

Water Source to Water Tap Solutions

- Improving Chlorine Residuals
- Lowering high Lead and Copper #'s
- Sequestering Iron & Manganese
- Driving down TTHMs & HAAs
- Dealing with High Natural Ammonia
- Solving Waste Water issues

Now working in Waste Water and handling Gas Chlorine, Fluoride, Bleach and other chemicals.



WATER SOLUTIONS UNLIMITED

P.O. Box 347, 295 Industrial Drive, Franklin, IN 46131
www.getwsu.com

WaterPro[®]

Conference

September 13-16, 2021
Wisconsin Center | Milwaukee, WI

The Conference for Water & Wastewater Utility Systems
Large & Small, Municipal & Rural

Visit waterproconference.org for more information.



NRWA[™]



W

WESSLER

ENGINEERING

As communities grow, existing drinking water infrastructure can become insufficient. Whether the solution includes upgrading drinking water treatment plants or distribution systems, our team is up to the challenge.

Our goal is to create efficiency for our clients by utilizing new and proven technologies in drinking water storage, pumping, treatment and distribution.



Drinking Water Distribution



Drinking Water Treatment

We are water resource experts who help committed leaders make sure their water is safe + managed + future-proof.

317.788.4551 | wesslerengineering.com

Indianapolis (HQ) | Carmel | Evansville | Fort Wayne | Hobart

Our focus is simple.
Move water to where it should be, and make sure it's clean when it gets there.

Our team provides a diverse range of experience, from traditional to innovative solutions to your utility problems.



STUDIES & INVESTIGATIONS



DISTRIBUTION & COLLECTION



SUPPLY & TREATMENT



FUNDING ASSISTANCE



WELLS & SURFACE

A TRADITION OF
EXCELLENCE
SINCE 1945

BLN
BEAM · LONGEST · NEFF

8320 CRAIG STREET | INDIANAPOLIS, IN 46250 800.382.5206 | B-L-N.COM



Water Loss Control Services

- Leak Surveys & Water Audits
- Large Meter Testing & Repair
 - Residential Meter Bench Testing
 - Transmission Main Leak Detection



Asset Management Services

- Valve Exercising
- Fire Hydrant Maintenance
- Fire Hydrant Flow Testing
- Pipeline Condition Assessment



Water Quality Services

- Unidirectional Flushing
- Cross Connection Survey & Inventory
- Online Backflow Management



GPS & Mapping Services

- Online Data Management
- Live Atlas Updates
- GPS Data Collection
- Interactive Mapping

M.E. SIMPSON
Co., Inc.

WATER SYSTEM SPECIALISTS

mesimpson.com

800.255.1521



Triad Associates, Inc.

ENGINEERING • ARCHITECTURE

"Proudly Serving Indiana Municipalities For Over 45 Years!"

Water Supply & Treatment Wastewater Stormwater
Public Facilities Parks Transportation

Central Location:

5835 Lawton Loop East Drive
Indianapolis, IN 46216
Ph: (317) 377-5230

Northern Location:

805 Lincoln Way South
Ligonier, IN 46767
Ph: (260) 894-3392

www.triadassoc.net

Water Summer

Created by Max Parrish, SCRWA Circuit Rider
 Reprinted from *water is life*, Summer 2021



WORDS

1. Pitot Tube
2. Confined Space
3. Chlorination
4. Trench Box
5. Langelier Index
6. Orthophosphate
7. Backhoe
8. Water Hammer
9. Lead
10. Clarifier
11. Cross Connection
12. Dewatering
13. Belt Filter Press
14. EPA
15. AWWA
16. Sludge
17. Manhole



Water Treatment Chemicals, Equipment and Local Service

Scan this QR code
 to see the Hawkins
 testimonial video.



WATER TREATMENT

- Potable Water
- Swimming Pools
- Wastewater Treatment
- Bioaugmentation
- Sludge De-Watering
- Collection Systems

EQUIPMENT

- Chemical Injection Pumps
- Control and Monitoring Systems
- Chlorination Control Systems
- Chemical Feed Equipment

SERVICE

- Mini Bulk Delivery
- Local Technical Support
- Equipment Installations
- Laboratory Testing



*Customized solutions by
 a professionally trained team.*

Muncie, IN
 765.288.8930

University Park, IL
 708.258.3797

Frankfort, KY
 502.695.0536

www.hawkinsinc.com
 800.328.5460
wtg@hawkinsinc.com

Poly Processing Company, The Leader In High Performance Chemical Storage Tanks Has Partnered With Pelton Environmental Products !



SAFE-Tank® Double Contained System



(IMFO™) Integrally Molded Full Discharge Tank



Sloped Bottom IMFO™ Tank



Complete Tank Systems Available

**5-7 Week Delivery
After Approval Of Order!**



PELTON
ENVIRONMENTAL
PRODUCTS

Contact Pelton Environmental Products:

Northern Indiana

Mike Rowe

(419) 544-0410

MRowe@Peltonenv.com

Central/Southern Indiana

Peter Herlihy

(513) 476-5600

PHerlihy@Peltonenv.com

www.peltonenv.com



POLYPROCESSING
SOLUTIONS, SIMPLIFIED.

water

wastewater

storm water

support services



Jones & Henry
Engineers

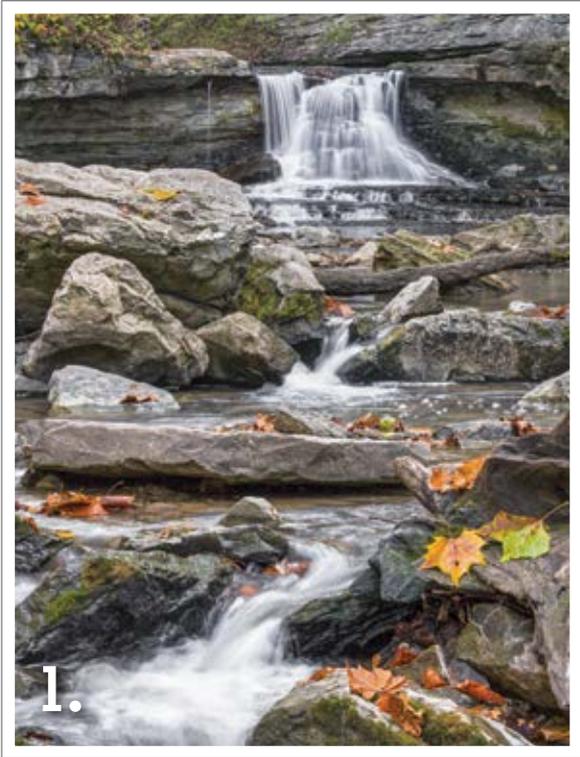
Proudly providing **Fluid thinking**® to Indiana communities for over 90 years.

www.JHEng.com

Connect@JHEng.com

260.482.1920

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



- 1. McCormick's-Creek, Owen-County
- 2. Falls of the Ohio State Park, Clarksville
- 3. Maidenhair Falls, Shades State Park-Indiana,
- 4. Portland Arch Nature Preserve, Covington
- 5. St. Joseph River, South Bend



LWG goes beyond traditional accounting to bring strategic thinking, innovation, and integrated solutions to the complex problems our clients face.

Please feel free to contact us about our services provided below:

Phone (877) 634-4747 | Website: LWGcpa.com
 Bonnie.Mann@LWGcpa.com
 1776 N. Meridian Street, Suite 500, Indianapolis IN 46202



PELTON
 ENVIRONMENTAL
 PRODUCTS

Contact Your Local Rep:

Central and Southern Indiana
 Peter Herlihy
 pherlihy@peltonenv.com
 513.476.5600

Northern Indiana
 Mike Rowe
 mrowe@peltonenv.com
 419.544.0410

440.838.1221 Main Office
www.peltonenv.com

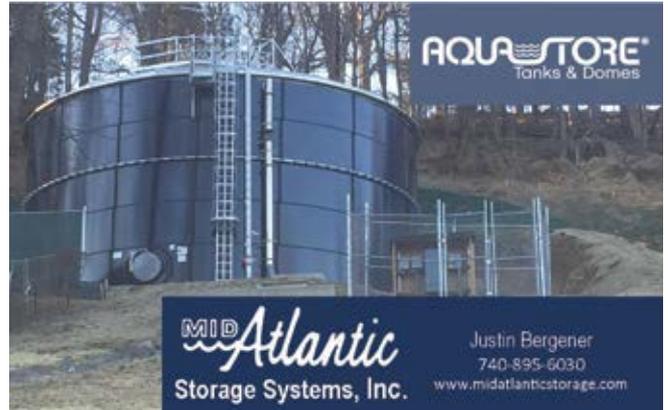


PROVIDING INDIANA WITH **INNOVATIVE** AND **AFFORDABLE** TRENCHLESS SEWER AND WATER PIPE REHABILITATION.

317.408.7136
 jferguson@insituform.com
www.insituform.com

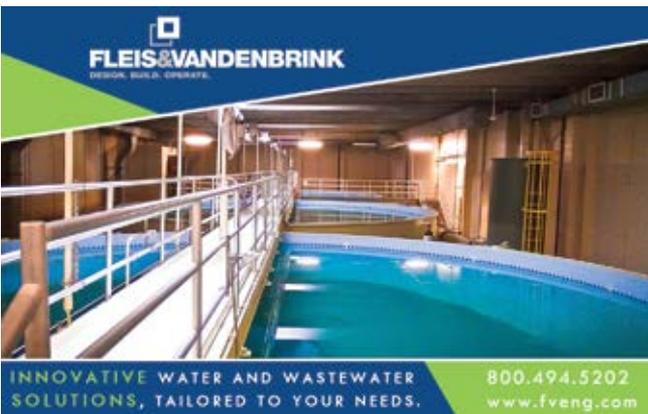


© 2015 Aegion Corporation



MID Atlantic
 Storage Systems, Inc.

Justin Bergener
 740-895-6030
www.midatlanticstorage.com



FLEIS & VANDENBRINK
 DESIGN. BUILD. OPERATE.

INNOVATIVE WATER AND WASTEWATER SOLUTIONS, TAILORED TO YOUR NEEDS. 800.494.5202
www.fveng.com

QUALITY SERVICE ON TIME - EVERY TIME

- Water Source, Distribution & Treatment Systems
- Wastewater Treatment & Collection Systems
- CSO/SSO Engineering
- Project Planning & Funding
- Stormwater Management & Design
- Construction Inspection
- Transportation Engineering



317-895-2585
 Toll Free: 800-536-2594
www.ucindy.com

8440 Allison Pointe Blvd.
 Suite 200
 Indianapolis, IN 46250



LOCHMUELLER GROUP

Consulting for
 Drinking Water | Wastewater | Storm Water

PATTI YOUNT
 812.459.6204
 pyount@lochgroup.com

JEFF DEWITT
 317.691.0010
 jdewitt@lochgroup.com



FIND US ONLINE
www.inh2o.org

Hoosier Pipeline is made possible by the companies below who convey their important messages on our pages. We thank them for their support of AIRW and its publication and encourage you to contact them when making your purchasing decisions. To make it easier to contact these companies, we have included the page number of their advertisement, their phone number, and, where applicable, their website.

Company	Page	Telephone	Website
Advanced Aquacultural Technologies, Inc.	37	574-457-5802	www.advancedaquaculturaltechnologies.com
Advanced Rehabilitation Technology, Ltd	16	419-636-2684	www.artcoatingtech.com
Bastin-Logan Water	52	317-738-4577	www.bastinlogan.com
Beam, Longest and Neff, LLC	44	317-849-5832	www.b-l-n.com
Clark Dietz, Inc.	16	317-844-8900	www.clarkdietz.com
Clearbrooke Technologies LLC (dba NuSystems LLC)	30	800-722-2641	www.clearbrooketech.com
Commonwealth Engineers, Inc.	4	317-888-1177	www.commonwealth-engineers.com
Curry & Associates, Inc.	50	317-745-6995	www.recurry.com
E.J. Prescott	7	800-357-2447	www.ejprescott.com
ETNA Supply	2	574-287-0132	www.etnasupply.com
Ferguson Waterworks	6		www.ferguson.com/waterworks
Fleis & VandenBrink Engineering, Inc.	48	317-843-0022	www.fveng.com
Force Flow	33	800-893-6723	www.forceflowscales.com
Ford Meter Box Company	33	260-563-3171	www.fordmeterbox.com
Gasvoda & Associates	51	708-891-4400	www.gasvoda.com
Gripp, Inc.	20	317-896-3700	www.grippinc.com
GRW Engineers, Inc.	42	317-347-3650	www.grwinc.com
Hawkins	45	765-288-8930	www.hawkinsinc.com
HWC Engineering	9	812-234-2551	www.hwcengineering.com
Indiana Pump Works	8	317-360-PUMP	www.indianapumpworks.com
Infrastructure Systems, Inc.	30	812-865-3309	www.infrastructuresystems.com
Insituform Technologies USA, Inc.	48	317-408-7136	www.insituform.com
Jones & Henry Engineers, Ltd.	46	419-473-9611	www.jheng.com
Lakeside Equipment Corporation	12	630-837-5640	www.lakeside-equipment.com
Lochmueller Group	48	812-479-6200	www.lochgroup.com
London Witte Group, LLC	48	317-634-4747	www.londonwittegroup.com
M.E. Simpson Co., Inc.	44	800-255-1521	www.mesimpson.com
McMahon Associates, Inc.	35	219-462-7743	www.mcmgrp.com
Mid Atlantic Storage Systems	48	740-335-2019	www.midatlanticstorage.com
Midwestern Engineers, Inc.	29	812-295-2800	www.midwesterneng.com
National Water Services, LLC	18	812-723-2108	www.national-water.com
Ortman Drilling & Water Services	23	765-459-4125	www.ortmandrilling.com
Peerless-Midwest, Inc.	39	574-254-9050	www.peerlessmidwest.com
Pelton Environmental Products	46, 48	440-838-1221	www.peltonenv.com
Pittsburg Tank & Tower Group Inc.	42	270-826-9000	www.pttg.com

Company	Page	Telephone	Website
Preload	20	888-773-5623	www.preload.com
RELINER/Duran Inc.	15	800-508-6001	www.reliner.com
S & K Equipment Company, Inc.	26, 27	812-886-0245	www.skequipment.com
Sexson Mechanical	23	317-884-0010	www.sexsonmechanical.com
Strand Associates, Inc.	29	317-423-0935	www.strand.com
SUEZ Advanced Solutions (Utility Service Co., Inc.)	22	855-526-4413	www.utilityservice.com
TnT Technologies, Inc.	35	812-941-0300	www.tnttechnologiesinc.com
Triad Associates, Inc.	44	317-377-5230	www.triadassoc.net
United Consulting	48	317-895-2585	www.ucindy.com
United Systems & Software, Inc.	42	270-527-3293	www.united-systems.com
USALCO	15	410-918-2230	www.usalco.com
Waller's Meter, Inc.	35	888-485-7018	www.wallersmeterinc.com
Water Solutions Unlimited, Inc.	42	800-359-3570	www.getwsu.com
Waterly	11	833-492-8370	www.waterlyapp.com
Wealing Brothers LLC	31	219-261-2520	www.wealingbrothers.com
Wessler Engineering	44	317-788-4551	www.wesslerengineering.com
Xylem - Water & Dewatering Solutions (Flygt & Godwin Products)	3	317-273-4470	www.xyleminc.com

HOOSIER PIPELINE

To reach water professionals through *Hoosier Pipeline* and its targeted readership, contact Dave at your earliest convenience.



Dave Gill,
 Marketing Manager
 david@kelman.ca
 Phone: 866-985-9791

CURRY & ASSOCIATES, INC.
 CONSULTING ENGINEERS & ARCHITECTS

WATER • WASTEWATER • STORMWATER • ARCHITECTURE

RECURREY.COM • (317) 745-6995 • DANVILLE, IN

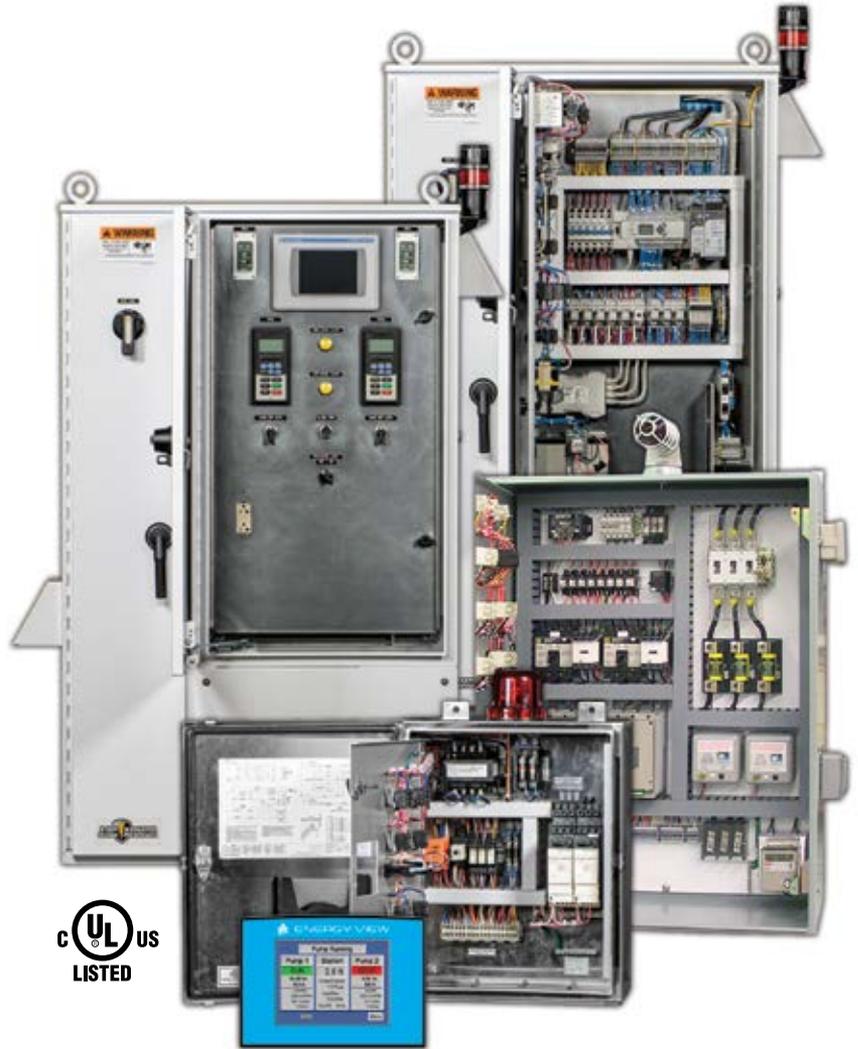
EVERYTHING UNDER CONTROL

PRIMEX® has everything under control by offering multiple production, engineering and sales facilities to ensure exceptional customer service through quick responsive quotes, submittals and delivery.

Our commitment to high standards in quality and new product development results in the broadest, most robust product line and services in the industry.

We design and build innovative solutions to meet your specific needs, no matter how unique:

- Arc Armor® control systems
- iconcontrol® SCADA solutions
- Pump Watch™ Express remote monitoring systems
- Complex system integration projects
- Premier and Express control panels
- 'View' and 'VPAC' family of pump controllers
- KwikSwitch™ float connection system



WWW.PRIMEXCONTROLS.COM

PRIMEX® Represented by:



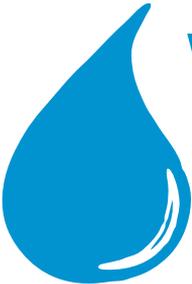
GASVODA & ASSOCIATES, INC.

1530 Huntington Drive

Calumet City, IL 60409

Ph: 708-891-4400 Fax: 708-891-5786

BASTIN LOGAN



WATER SERVICES INC.



SERVICES:

- Field Inspection
- Maintenance Programs
- Trouble Shooting
- Testing and Evaluation
- Repairs (Pumps & Filter Plants)
- Drilling & Hydrogeological Services
- Rehabilitation of Existing Wells
- Down Hole Color T.V. Camera with Side View

Office Phone (317) 738-4577
Fax Number (317) 738-9295

Mobile Phone 24 Hour Service

Joe Paszek (317) 695-3496
Brian Logan (317) 439-2825
Jim Logan (317) 439-2826
Jeff Bastin (317) 432-6147

**1010 N Hurricane Road,
Franklin, IN 46131**

Provider of Package Water Treatment Plant –
Mapleturn Utilities



“Indiana’s Best Tasting Drinking Water”
“Nation’s 2nd Best Tasting Drinking Water”
- NRWA

www.bastinlogan.com