

HOOOSIER PIPELINE

SUMMER/FALL 2014



The official publication of the Alliance of Indiana Rural Water



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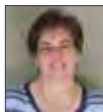
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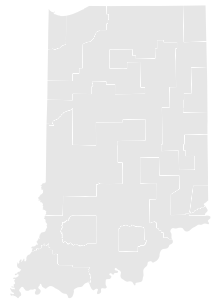
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FEATURES

2014 SPRING CONFERENCE RECAP	10
2014 OPERATOR EXPOS	16
IS THERE A SHORTAGE OF CERTIFIED WASTEWATER SPECIALISTS IN INDIANA'S NEAR FUTURE?	18
HOW BIG ARE YOUR TEETH? ENFORCEABLE STRENGTH TO SUPPORT YOUR WELLHEAD PROTECTION PROGRAM	20
FREE WATER LOSS DETECTION	22
WHAT A WINTER	24
GOOD HOUSEKEEPING	26
FALL CONFERENCE	28



11



16

DEPARTMENTS

PRESIDENT'S MESSAGE	7
EXECUTIVE DIRECTOR'S MESSAGE	9
CROSSWORD	40
WE GET LETTERS	42
DO YOU KNOW YOUR INDIANA WATER?	44
PROFESSIONAL DIRECTORY	45
ADVERTISER INFORMATION CENTER	46

ON THE COVER: Mike Klavinski and Travis Smith, Steuben Lakes Regional Waste District



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

Opportunities for Training and Networking

The Alliance has provided many training sessions this year in all parts of the state. We are very fortunate to have such a resourceful and knowledgeable staff that coordinates all of the training events. The training provided is crucial in order for all water and wastewater professionals to network with other professionals in the industry and to obtain the required Continuing Education Units (CEUs).

The Spring Conference was held in French Lick this March. The conference had many exhibitors, which gave attendees new and old contacts for any projects they may be planning or have going on at their home utility. Attendance for the conference was above expectations and the classes were informative. Many awards were given at the awards luncheon

"The Alliance staff is very qualified and eager to help with any water or wastewater issues you may have. Do not hesitate to contact them."

to recognize water and wastewater professionals for outstanding work. Our keynote speaker was Brigadier General Brian Copes, Chief of the Joint Staff, Indiana National Guard. During the opening session of the second day, National Rural Water Association Board President Doug Anderton made opening remarks about National Rural Water and our industry.

If you missed the Spring Conference, plan to attend the Fall Conference on September 17-18 in Fort Wayne. It should be as

informative and exciting as the Spring Conference. Our Annual Membership Meeting is also held during the Fall Conference.

The Southern Expo took place on May 15 in Huntingburg and the Northern Expo on May 22 in Akron. The expos were held outside and gave attendees hands-on training. Both events were a huge success.

The Alliance staff is very qualified and eager to help with any water or wastewater issues you may have. Do not hesitate to contact them. ★

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Connie Stevens
Executive Director



Team Alliance – Here to Help

The Alliance of Indiana Rural Water is pleased to have Sherri Winters back on 'Team Alliance.' After working for the Indiana Department of Environmental Management (IDEM) for the past six years as Permits, Certification and Capacity Section Chief, Drinking Water Branch, she brings a great deal of knowledge and expertise to our team. Sherri has a true passion and understanding for rural water, which is why she is excited to help utility systems resolve issues before they become a compliance problem. She will be making technical assistance visits, conducting water training seminars, helping with Wellhead Protection Plans and beginning a GIS mapping program. Sherri will be a valuable resource to our members.

As you know, the entire Alliance team is dedicated to providing training so that you can obtain and retain your certification for water or wastewater. We are dedicated to working on-site with system personnel to resolve problems. We are dedicated

to keeping system personnel up-to-date with the latest aspects of providing quality service to customers. Team Alliance is also dedicated to getting the 'word' out there about how crucial your job is to the community you serve.

Your job is extremely important and that is why your title should be Water or Wastewater System Operations Specialist. This is a skilled trade that requires extensive training, many hours of study and once you have passed the difficult certification exam, you must obtain continuing education credits (CEUs) to retain that certification. This takes dedication and commitment for which I applaud you. Remember, you play a key role in keeping your community healthy.

For you to be able to do your jobs well and operate within the compliance of your system's permit, you need to maintain, repair, replace or upgrade your system from time to time. This is an expensive industry. Hopefully, you will have an asset management plan in place, which would

include funding a depreciation fund and or capital improvement fund.

If you find that your utility is short on funds to take care of these issues, you may want to contact your local United States Department of Agriculture (USDA) Rural Development representative. Rural Development has **\$1 billion of loan funding** and **\$301.2 million of grant funding** to be obligated by September 30, 2014. Projects must be located in rural areas and towns with 10,000 or fewer people. For more information contact the Community Programs Specialist at your local office: www.rurdev.usda.gov/IN-Contacts.html. The State Revolving Fund (SRF) also has low interest loans. You may contact Jim McGoff at 317-232-2972 or jmcgoff@ifa.in.gov or can go to www.in.gov/ifa/srf/ to find current interest rates and other important information.

We are here to help. Just let us know what your needs are and we will get right on it! ★

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What a way to welcome spring! Thanks to you, we shattered last year's record with **589 people in attendance**. Thank you to everyone who participated in the conference at the beautiful French Lick Resort.

We welcomed everyone on Tuesday evening with dinner and drinks; it was a great time to mingle and get the 'lay of the land.' Wednesday morning included a general session led by Vince Griffin from the Indiana Chamber of Commerce, and then everyone headed for class. This year

we included a special track of classes for office personnel, managers and board members in addition to our water and wastewater tracks; where each day concluded with a certificate of completion.

That afternoon our Awards Luncheon began with a special message from Keynote Speaker, **Brigadier General Brian R. Copes**, just before we honored the best of the best in the industry.

Wednesday evening included our exhibitor reception complete with a poker run, food, drinks, and prizes.

Also, we had our first ever clay shoot, which was very well received – we will definitely be adding it to the agenda for the future. As if that wasn't enough, we ended the evening with pizza, bowling and drinks. It was a great time to wind down from a full day of classes, while mingling with peers and friends.

Thursday everyone woke up to a delicious hot breakfast buffet before starting in on another day of classes. We wrapped up the conference by announcing the big Sportsman's Raffle grand prizewinner. This year's winner was Marty Hill from the Town of Paoli, who walked away with a Weber Grill – valued at \$2,000, and James Green from Madison took home the shotgun. Mike Perry from Charlestown won the all-inclusive trip for two to the National Rural Water Association (NRWA) conference in Seattle, WA – sponsored by Covalen and Midwestern Engineers. Thank you to all our exhibitors who contributed to the raffle and to everyone who participated. ★



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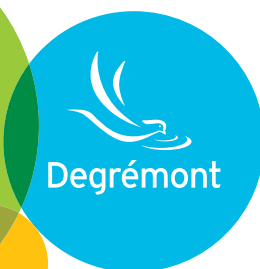
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2014 Alliance Awards

Presented by AIRW President Dave Seacat and Executive Director Connie Stevens.



Wastewater System Operations Specialist of the Year
Maryellen Blanton, Connersville Utilities



Water Operations Specialist of the Year
Dan Dalton, BBP Water Corp.



Manager of the Year
Marty Gearhart, Town of Akron



Administrative Professional of the Year
Jennifer Field, Ellis Water Co., Inc.



"Mary Lou Schnell" Associate Member of the Year
Mike Ricks, Water Solutions Unlimited



President's Choice
Tom Speer, City of Lawrence Utilities



Steward of the Environment Award
John Wade, Patoka Lake Regional Water & Sewer District



InWARN Reggie Baker Award*
Adam Watts, IDEM

**Presented by Stan Diamond, InWARN Secretary – Treasurer and Jaimie Foreman, InWARN Chair*

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Our Southern Expo, held on May 15, in Huntingburg, IN, was a huge success once again, with more than 230 attendees and 16 demonstrating companies. Equally successful was the Northern Expo held on May 22, in Akron, Indiana, with more than 150 attendees and 12 demonstrating companies.

Both events featured our 'famous' hog roast, donated by Water Solutions Unlimited, with the Schnitzelbank catering the rest of the food at the Southern Conference.

Three contests at each Expo provided chances to win cash and prizes while having fun. At the Southern

Expo, Curtis Prater & Charles Oakes from Aqua Indiana took home \$100 and the title of the fastest leak repair team with a time of 1:01.86 seconds. Clint Buttery from Dubois Water claimed another \$50 when he won the Backhoe Rodeo with a time of 53.13 seconds. Brian Peters from Mulzer Crushed Stone won the 'Name that BUG!' wastewater challenge and took home \$50.

At the Northern Expo, Tim Lindenwald and Henry Ruiz from Kingsford Heights Municipal Utilities took home \$100 and kept their title of the fastest leak repair team with a time of 1:09 seconds. Tim also claimed \$50 when he won the Backhoe Rodeo contest. Leslie Brown from the Steuben Lakes RWD retained her title winning the 'Name that BUG!' wastewater challenge and took home the \$50.

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! ★



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Is There a Shortage of Certified Wastewater Specialists in Indiana's Near Future?



By Rex Blanton, Wastewater Training Director

As many of you may already know, the Indiana Department of Environmental Management (IDEM) is in the process of proposing changes to its Operator Certification Program. At the time of this issue, the changes may already be in effect. Registrants will be able to take their exams at numerous Ivy Tech locations throughout the state as well as at a time convenient to them, instead of waiting until the two scheduled traditional dates in spring and fall. This will be a convenience not only

“ Being able to have a current experienced employee take the exam, and receive confirmation of passing the day of the exam, could solve a myriad of problems facing the facility when it loses its certified wastewater specialist. ”

to those exam takers, but also to the facilities in need of an immediate certified employee. Being able to have

a current experienced employee take the exam, and receive confirmation of passing the day of the exam, could solve a myriad of problems facing the facility when it loses its certified wastewater specialist.

This change, along with some others, could be a giant step for the National Pollutant Discharge Elimination System (NPDES) holders of Indiana in a time when the number of certified personnel retiring could be out-pacing the number of those passing the exams. Reasons for the situation are many. Financial hardships to the community, leading to layoffs and added work load without increases in payroll; trying to meet stricter compliance limits with no additional budget; and an aging infrastructure that needs more attention and work force – not less – are just a few. But the number one reason for the inevitable decline in certified wastewater specialists may be the average age of the group. Many of our specialists are at a traditional retirement age of 65 or many years past, trying to meet financial obligations to themselves and family that cannot be done with their retirement income alone.

In light of some changes to retirement funds, the aforementioned

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“ The Alliance of Indiana Rural Water recently attended a tabletop discussion with the agency and other representatives from affected associations around the state to offer ideas for proposed changes to the program. ”

employees, as well as younger ones, may be leaving sooner than anticipated to insure their monthly retirement amounts are not cut to a level they cannot live with. Most of them will not quit working, but will just stop being in the field they had chosen and learned to love. Choosing the wastewater field is rarely the first choice of young job seekers, although they may enter the field to solve a short time financial crunch, with plans to move on to bigger and better things. But as all of us in the business know, it grows on you and becomes a passion. Keeping these experienced folks on the job may not be possible and replacing them with quality ones could be an even more difficult task.

Another proposed change to the Certification Program is to make the questions more relevant to current processes and issues. IDEM is asking for Class D and IV Specialists to submit questions that are relevant to today's wastewater field. The Alliance of Indiana Rural Water recently attended a tabletop discussion with the agency and other representatives from affected associations around the state to offer ideas for proposed changes to the program. More discussions are scheduled to take place prior to moving forward with these propositions. So if you have ideas, please get them to us.

In my brief experience as a Certification Exam Review Instructor, I have had the pleasure to assist approximately 55 specialists in accomplishing their goal of becoming certified with IDEM. The average age of this group is over 40, which keeps the overall average at that point as well. Included in this group of newly certified environmental protectors, are some very well qualified, fine young specialists who can assist our state in its goals to protect our water. However, will these specialists

be able to stay the course until it is their time to retire or will they move on to another career? The best way to assure we have a good number of certified specialists for the future is to start recruitment programs in our

communities and at the state level. Local job fairs, high school or college career days and other opportunities to put our field in front of young eyes are a must and an important part of our environmental responsibility. ★

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HOW BIG ARE YOUR TEETH?



By Toby Days

Enforceable Strength to Support Your Wellhead Protection Program

The *Safe Drinking Water Act* and the *Indiana Wellhead Protection Rule* (327 IAC 8.4-1) mandate that all community public water systems that obtain their drinking water from a groundwater source develop a Wellhead Protection Plan (WHP) and implement that plan. The purpose of the WHP program is to protect public health, safety, and welfare through the preservation of the groundwater resources of community public water supplies to ensure a future supply of safe and healthful drinking water. Your WHP plan lays out a structured approach that your water system will take to manage those potential threats that you have inventoried; prepare for emergencies; and notify and educate your community.



- So are your community's drinking water sources really protected?
- Do you have any enforceable teeth in your WHP activities to prevent future potential contaminations sources from finding their way into your Wellhead Protection Area (WHPA)?

As our state's population grows, development pressures within sensitive public water supply recharge areas grow. Enacting a local zoning ordinance is one way for communities to control land uses and development pressures within your WHPA.

A zoning ordinance is a local law that regulates land and buildings in order to protect the health, safety, and general welfare of all citizens. Together with the master plan, the zoning ordinance is an important enforceable tool that allows the community to guide development and land use in a way that achieves its long-term goals.

Zoning Districts and Map

A zoning ordinance – which includes both a zoning map and text – divides a township, village, city, or county into different districts (zones). The zoning map shows the legal boundaries for each district. Districts regulate the uses, building size, and other features for all properties in the district.

Zoning districts are often based on the types of uses that are allowed, with separate districts for residential, commercial, agriculture, recreation, wellhead protection and

industrial development. This is known as 'use-based' zoning, and is intended to separate uses that may be incompatible. For instance, a wellhead protection district could restrict certain potentially harmful land use activities, such as installation of underground storage tanks or confined feeding operations, from occurring in these districts. Similarly, designated industrial districts, which could allow activities creating noise, smoke, or heavy traffic, keep industrial nuisances at a distance from the community's major residential areas.

Zoning districts may also be organized around building or architectural types, neighborhood patterns, or other physical and cultural features. This is known as 'form-based' zoning because it takes

Potential land use that may be incompatible with Wellhead Protection Areas

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- Underground Storage Tanks
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.....

“The zoning ordinance is developed by the planning commission, with the legislative body having final approval over zoning ordinance adoption and any changes to the map or text.”

.....

into account the ‘form,’ or character, that the community wants to develop or maintain, and encourages development to be consistent with that form. For instance, if you drive through the City of Carmel in central Indiana you will notice all the buildings are built using red brick. The city has a form-based zoning ordinance, requiring all structures be built using the same type of brick.

Administration

The zoning ordinance is developed by the planning commission, with the legislative body having final approval over zoning ordinance adoption and any changes to the map or text. The zoning administrator reviews applications for land use permits and other requests, and interprets the ordinance to determine if new developments or uses meet its requirements.

Master Plans and Zoning Ordinances

A community’s master plan and zoning ordinance are closely linked. State law requires zoning ordinances to be based on a master plan, and master plans must include guidance as to how zoning regulations should be written. The zoning ordinance also offers important ways to achieve a master plan’s goals. By defining

appropriate uses of land, regulating density, creating standards for development, and offering incentives for different development types or patterns, the zoning ordinance offers clear direction on where and how development should occur.

It is important to remember, though, that the master plan is a guide without the force of law behind it (similar to your WHP plan), while zoning is an enforceable law (your teeth). Because it affects the use and value of private property, state law is very specific about how zoning ordinances are structured, what is included, and how zoning authority can be limited. In order to meet these legal obligations, while balancing community goals with the interests of property owners, zoning ordinances are often complex legal documents.

This is even more reason to begin these talks with your County Planning Commission. Many County Commissioners are unaware of what and where WHPAs are. Informing your Commissioners of where your WHPAs are located and the potential land use activities of a concern is the first step in the development of an enforceable means to protecting your communities health, safety, and welfare through the preservation of their ground water resources. ★

The Alliance of Indiana Rural Water has example ordinances focusing on WHPA overlay districts and can assist you and your Commissioners in obtaining Geographic Information System (GIS) layers of all the WHPAs in your County.



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Free Water Loss Detection



By Gordon Meyer,
Water Circuit Rider

During my travels around the state, I've had the pleasure of providing many benefits the Alliance offers to our utility members. One of the biggest requests we receive is our water loss detection services and water audits. Every water system has had a water leak that won't come to the surface, and after spending many man-hours searching all over the system trying to find it, no sign of it can be detected. These leaks are not only a headache but also contribute to loss of revenue. Every day, hundreds of dollars that could be used by the water system are lost in the ground.

The answer to the problem is just a phone call away. The Alliance has sonic leak detection units that we can use to help you find these types of water leaks. This device enhances the sound of the water as it escapes from the hole in the pipe. We will be happy to set up an appointment with you to come to your system and help you by listening to your system, starting with the fire hydrants and valves in the suspected areas. If we hear a possible leak we will listen to water meter valves to try to narrow down the location of the leak to a certain area. After we have narrowed down this area, we will listen above the ground along the water main until we receive a strong sound and signal indicating the area of the leak. We have been able to locate leaks to within two feet of the break in the main.

Another benefit of this service is that we can help you with water leak audits by listening to your entire water system and possibly locating lines that had been leaking for years,

They can then quickly be repaired, saving revenue that was lost due to water loss that was previously unaccounted for. We have also located leaking fire and flush hydrants that can usually be corrected by simply opening the hydrant and flushing out debris that caused the valve not to be properly seated.

Our ability to locate leaks depends on type of piping, size of the water leak, soil conditions, surrounding noise conditions and other factors. In most instances we can get you within two feet of the leak. Keep in mind, we will not tell you to dig in an area unless we get an indication that a leak is there. While all leak locations are not always successful, we have a high success rate, and the service doesn't cost you a dime.

This and other technical assistance is FREE and available to you courtesy of the Alliance of Indiana Rural Water. All you have to do is call us at 1-888-937-4992, or contact us online at alliance@inh2o.org. If your system is located in the southern part of the state you can also contact me Gordy Meyer at gmeyer@inh2o.org, while members in the northern part of the state can contact Joe Frazier at jfrazier@inh2o.org. ★

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WHAT A

This will be a winter all of us will remember. They say it was one for the record books. This winter caused some problems for just about everyone, from frozen water mains, frozen services from the mains, to frozen water towers. Even the wastewater folks had some problems, with customer lines freezing from letting water run a trickle, with not enough flow. Some wastewater plants had their intake line freeze. Face it. It was bad.

As water and wastewater specialists, you put in some long hours as well as some long days. That was on top of having to plow snow. My hat is off to all of you for doing a fine job in keeping your systems going.



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Some systems had many main breaks that could not be serviced because of the frozen ground. Some had frozen services lines, because customers did not let their water run. As a consequence, some people had the water freeze at the meter while others had their service lines freeze all the way back to the main. Some of you used hot boxes to thaw the services. The hot box uses electric current to thaw out the lines. The current is lower than using a welder, which makes it safer.

Some of you became creative when thawing out lines. One water specialist used a pressure cooker. Let me explain. He took a pressure cooker, put a small threaded pipe in the hole where the relief valve was, hooked a high pressure hose on that, then put the pressure cooker on a turkey cooker stand, heated with propane gas. He then dug up the service, cut it in two, applied a shut off valve, hooked the pressure line to the shut off and let the heated water

and steam do its thing. It worked! He pushed several feet of ice out off the lines using this method.

Some used hot water directly on their water lines. Others used the natural temperature of the water to thaw out customer lines. For those who are not sure what I'm talking about, let me explain. They would go to a meter pit beside the pit that was frozen, put in a jumper from pit to pit and let the water temperature thaw out the line. Those of us who have some extra money lying around had the option of using a small steam generator for service lines, at a cost of around \$780.

Other than waiting for warm weather, those who had to thaw out frozen water towers could resort to larger steam generators, which push the steam and water from the generator through a high pressure hose up into the tower. More precisely, this is how it works: you hook a garden hose from a hydrant to the generator,

“Some of you became creative when thawing out lines. One water specialist used a pressure cooker.”



WINTER

By Joe Frazier, Water Circuit Rider



then two members of the personnel climb the tower, hauling the high-pressure hose with them. At the end of this hose is a half-inch iron pipe. After opening the hatch to the tower, you must lower the hose into the tower until it hits something solid such as ice. Once the pipe goes through the ice then water can flow again. This procedure does not thaw the entire tower, but it gets you to the point at which you can pump water again.

There are several companies that do this operation. If this is a process you want to try, I recommend you contact the experts. You can refer to our resource directory or call us to find out who to contact.

For new water specialists, one thing to remember when it comes to our water towers in the winter is that you have to lower your tank level from where you keep it in the summer. Lower the level in your tank five to eight

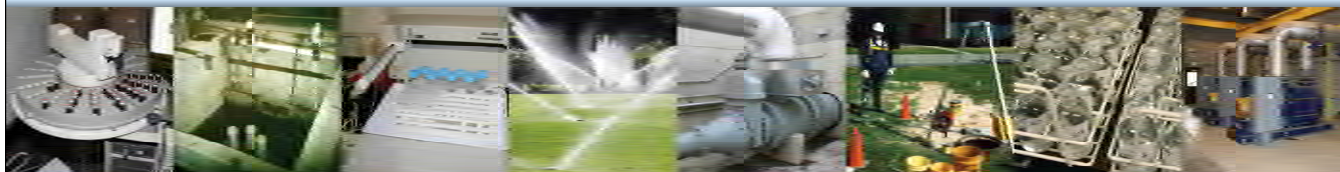
feet, for the winter. As a former water specialist – and in talking to other operators – that is what I have found works best. You can also put a mixer in your tank. It helps keep the water not only moving in the winter but also stirred up for the disinfectant in the summer. Again, I am not endorsing any one company, but those are some things that have worked over the years. Keeping the water turning in your tower is the most important thing. ★

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Good Housekeeping



By Kevin Wenzel,
Wastewater Circuit Rider



Since I have only been with the Alliance a few months, it was hard for me to think of a good topic to discuss. So I thought back to one of the first things I learned as an operations specialist: good housekeeping at your wastewater treatment plant.

At the plant where I worked, we were always keeping the buildings free of junk, floors mopped, walls painted, and trash taken out. The grounds were always kept mowed and trimmed in summer, with the snow removed in winter. In the

lab, we made sure the counters were clean, floor swept and mopped, drawers cleaned, windows washed and trash taken out. Our truck was cleaned before ever going uptown. We always washed off the equipment after handling sludge.

I was taught that an operations specialist needed to keep everything looking nice for several reasons. First of all, when customers, board members, or IDEM representatives come to visit, you want them to have a positive first impression and not see a messy plant. They figure if you don't care about how your plant looks then you might not care about doing your job correctly. Secondly, the public already has a negative idea about a sewage plant. So if customers ever come down to visit the plant, you want a clean, pleasant-smelling facility to change their opinion. Third of all, a clean plant is safer. There is less stuff to trip on, fewer fire hazards, and fewer hazards overall. And finally, keeping a plant clean helps keep rodents and other animals away.

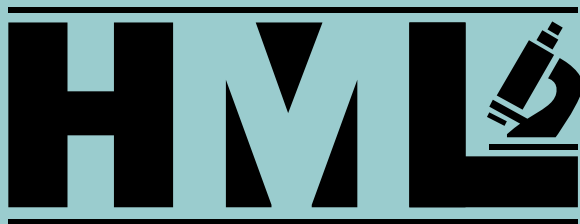
In my experience, it is important to keep your plant neat and free of unnecessary items or clutter. I have always tried to keep my plant clean. Housekeeping was always a priority, and we tried to keep the plant looking good. We even kept all the piping painted.

I know that many plants are understaffed and those who do work there have little time for cleaning. But it is always a good idea to try and keep your facilities clean, this will help your utility maintain a positive image. ★

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2. **EARN UP TO 10 WATER AND WASTEWATER CEU'S**
3. **SPORTSMAN'S RAFFLE: GRAND PRIZE - BIG SCREEN HD TV**
4. **SHOTGUN RAFFLE**
5. **LIVE MUSIC / EXHIBIT HALL RECEPTION WEDNESDAY**
6. **WATER & WASTEWATER EXAM CRAM SESSION AND MOCK EXAM**
7. **"BEST TASTING WATER IN INDIANA" WATER TASTE TEST**
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Technical Sessions

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

WEDNESDAY, SEPTEMBER 17

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

OPENING SESSION - (Must attend for CEUs)
A VOLUNTARY APPROACH TO WORKPLACE SAFETY AND HEALTH
 Debbie Raven, Indiana Department of Labor

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

WATER SESSION
AMMONIA & CHLORINE INTERACTIONS IN WATER TREATMENT
 Lori Young, P.E., Curry & Associates, Inc.

WASTEWATER SESSION
DEALING WITH A NEW PHOSPHORUS LIMIT
 Mark Sullivan, P.E., Midwestern Engineers, Inc.

OFFICE PERSONNEL SESSION
UTILITY BILLING ISSUES: HOW DO YOUR CUSTOMERS PAY THEIR BILLS?
 Frank Pouliot, Ellis Water Co., Inc.

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

WATER SESSION
NEW WELL FIELD DEVELOPMENT - PLANNING & ENGINEERING CONSIDERATIONS
 James McNulty, LPG, Strand Associates, Inc.

WASTEWATER SESSION
OPPTA: WHAT CAN OUR PROGRAMS DO FOR YOU?
 Susan Harrington, IDEM

OFFICE PERSONNEL SESSION
DEALING WITH DIFFICULT PEOPLE: OH NO! IT'S DISCONNECT DAY, AGAIN
 Mary Lou Schnell, Midwestern Engineers, Inc.

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

WATER SESSION
ARE YOU UNDER THE INFLUENCE?
 Jaimie Foreman, Carmel Water

WASTEWATER SESSION
HEADWORKS DESIGN - GET BEYOND THE WET WEATHER OBSTACLES
 Jeremy Hardy, P.E., Commonwealth Engineers, Inc.

OFFICE PERSONNEL SESSION
CRITICAL CHANGES FOR 2014

Liz Melvin, IDEM
 Curt Gassert, IURC
 Thomas Bernhard, USDA Rural Development

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

WATER SESSION
WATER CONSERVATION & OPTIMIZING REVENUE THROUGH METERING ASSETS
 Paul Nero, Utility Supply Company

WASTEWATER SESSION
IMPROVING ACTIVATED SLUDGE PROCESSES, THE DIY WAY
 Craig Williams, City of Angola

OFFICE PERSONNEL SESSION
SHARING CONCERNS AND OFFERING SUGGESTIONS
 Utility Panel of Representatives

WEDNESDAY - OFFICE PERSONNEL TRAINING DAY 9:15 a.m. - 3:45 p.m.

Participants will receive a certificate of completion for "Phase 1 of Office Personnel Training."

THURSDAY, SEPTEMBER 18

8:30 a.m. - 10:00 a.m.

WATER SESSION
SUSTAINABLE WATER INFRASTRUCTURE FOR THE 21ST CENTURY
 Brandon Pitcher, SEL-X, Inc.

WASTEWATER SESSION
PRESSURE SEWERS - ANOTHER WAY TO REHABILITATE AGING SEWER SYSTEMS
 Bob Jordan, Covalen

UTILITY MANAGER/BOARD SESSION
MEETINGS! WHAT'S ON THE AGENDA?
 TBA

10:20 a.m. - 11:50 a.m.

WATER SESSION
WATER WELL ASSET MANAGEMENT PROGRAMS: A NEW SUSTAINABLE APPROACH TO MAINTAINING WELL PERFORMANCE AND WATER QUALITY
 Ray Reece, Utility Service Group

WASTEWATER SESSION
WASTEWATER OPERATION - MINUTE BY MINUTE
 Pat Beamon, Archaea Solutions, Inc.

UTILITY MANAGER/BOARD SESSION
CREATIVE FINANCING
 TBA

1:00 p.m. - 2:00 p.m.

WATER SESSION
INWARN TOPS 100 - THE INITIATIVE CONTINUES
 Jaimie Foreman, InWARN

WASTEWATER SESSION
THE POWER OF GIS FOR WATER & WASTEWATER
 Tony Shriner, WTH Technology, Inc.

UTILITY MANAGER/BOARD SESSION
LIABILITIES AND RESPONSIBILITIES
 Parvin Price, Bose McKinney and Evans, LLP

2:15 p.m. - 3:15 p.m.

WATER SESSION
FREEZE UPS & MAINTAINING WATER QUALITY
 Todd Gardner, Knox Water Works

WASTEWATER SESSION
AMMONIA LIMITS AND DISINFECTION: IMPACTS TO THE CONTINUED OPERATION OF WASTE STABILIZATION LAGOONS TREATMENT FACILITY
 Ben Adams, P.E., Commonwealth Engineers, Inc.

UTILITY MANAGER/BOARD SESSION
POLICIES AND PROCEDURES
 Mary Lou Schnell, Midwestern Engineers, Inc.
 Frank Pouliot, Ellis Water Co., Inc.
 Connie Stevens, Alliance of Indiana Rural Water Association

THURSDAY - UTILITY MANAGER & BOARD TRAINING DAY 8:30 a.m. - 3:15 p.m.

Participants will receive a certificate of completion for "Phase 1 of Utility Manager and Board Training."

AGENDA AT A GLANCE

TUESDAY, SEPTEMBER 16, 2014

3:00 p.m. BOARD OF DIRECTORS MEETING
 3:00 p.m. CLAY SHOOT
 TO 6:00 p.m. PRE-CONFERENCE HOSPITALITY EVENT
 8:00 p.m. (FOOD, FUN & DRINKS)

WEDNESDAY, SEPTEMBER 17, 2014

TO 7:00 a.m. REGISTRATION DESK OPEN
 5:30 p.m. IN LOBBY
 TO 8:00 a.m. OPENING SESSION/GENERAL SESSION
 9:00 a.m. FOR CEUs - COFFEE AND DOUGHNUTS
 TO 9:00 a.m. BREAK
 9:15 a.m. CONCURRENT TRAINING SESSIONS
 TO 10:15 a.m. EXHIBIT HALL GRAND OPENING
 10:45 a.m. CONCURRENT TRAINING SESSIONS
 11:45 a.m. & NETDMR LAB SESSION
 TO 11:45 a.m. WATER TASTE TEST LUNCHEON
 1:15 p.m. WITH KEYNOTE SPEAKER
 TO 1:15 p.m. CONCURRENT TRAINING SESSIONS
 2:15 p.m. & NETDMR LAB SESSION
 TO 2:15 p.m. BREAK IN EXHIBIT HALL-PRIZE DRAWINGS
 2:45 p.m. CONCURRENT TRAINING SESSIONS
 TO 2:45 p.m. RECEPTION IN EXHIBIT HALL
 3:45 p.m. WITH LIVE MUSIC-GAMES, FOOD, DRINKS & SPORTSMAN'S RAFFLE!
 TO 3:45 p.m. HOSPITALITY ROOM - WINDSOR
 5:15 p.m. SUITE (FUN, FOOD & DRINKS)
 TO 8:00 p.m. HOSPITALITY ROOM - WINDSOR
 10:00 p.m. SUITE (FUN, FOOD & DRINKS)

THURSDAY, SEPTEMBER 18, 2014

TO 7:00 a.m. REGISTRATION DESK OPEN
 3:00 p.m. IN LOBBY
 TO 7:00 a.m. HOT BREAKFAST IN EXHIBIT HALL
 8:30 a.m. OPENING REMARKS AND ANNUAL
 10:00 a.m. MEMBERSHIP MEETING IN EXHIBIT HALL
 10:20 a.m. WIN A KINDLE FIRE HD!
 TO 8:30 a.m. CONCURRENT TRAINING SESSIONS
 10:00 a.m. BREAK IN EXHIBIT HALL - PRIZE DRAWINGS
 TO 10:20 a.m. CONCURRENT TRAINING SESSIONS
 11:50 a.m. GRAND PRIZE DRAWING
 12:00 p.m. IN EXHIBIT HALL
 TO 12:00 p.m. LUNCH - ON YOUR OWN
 1:00 p.m. CONCURRENT TRAINING SESSIONS
 TO 1:00 p.m. BREAK IN EXHIBIT HALL -
 2:00 p.m. SHOTGUN RAFFLE DRAWING
 TO 2:15 p.m. CONCURRENT TRAINING SESSIONS
 3:15 p.m.

10 TOTAL WATER & WASTEWATER CEU HOURS

5 TOTAL CEU HOURS WEDNESDAY

5 TOTAL CEU HOURS THURSDAY

Conference Registration

SEPTEMBER 17 & 18, 2014

Please print or type.

List all attendees and indicate the type of registration desired.

We encourage you to fax or email completed forms:

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

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Name _____

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Name _____

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Registration Rates

Full Registration

Two (2) days of technical sessions - including water, wastewater, office personnel and board/manager classes; Pre-Conference "Clay Shoot" and Hospitality Event (Tues.); Exhibit Hall Access, Best Tasting Water Luncheon (Wed.); Reception with Live Music (Wed.); Hot Breakfast Buffet (Thurs.)

Wednesday ONLY Technical sessions - including water, wastewater and office personnel classes; Exhibit Hall Access; Best Tasting Water Luncheon and Reception with Live Music

Thursday ONLY Technical Sessions - including water, wastewater, and board/manager classes, Exhibit Hall Access; Hot Breakfast Buffet

Spouse / Guest Registration

Pre-Conference "Clay Shoot" and Hospitality Event (Tues.); Exhibit Hall Access, Best Tasting Water Luncheon (Wed.); Reception with Live Music (Wed.); Hot Breakfast Buffet (Thurs.)

Member		Non-Member	
Before August 29, 2014	After August 29, 2014	Before August 29, 2014	After August 29, 2014
\$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 BEST TASTING WATER LUNCHEON. _____

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Registration form must be returned to the Alliance office **no later than August 29, 2014** for "Early Bird" registration prices.

Registrations will be fully refunded if cancellation is made before September 3, 2014. ■ No refunds after September 3, 2014.

ALLIANCE OF INDIANA RURAL WATER BOARD OF DIRECTORS NOMINATION FORM

The Board of Directors of the Alliance of Indiana Rural Water shall be composed of nine (9) members. By dividing the State into quarters consisting of twenty-three (23) counties each, four (4) directors and five (5) directors at large. Each member shall be elected for a three-year term and shall serve through the year his/her term expires. Only Managers, Certified Water and/or Wastewater systems operation specialists, or those actively involved with the overall operation and management of member water and/or wastewater utilities may serve on the Board of Directors. No more than one (1) director from the same member system may serve on the Board of Directors at the same time.

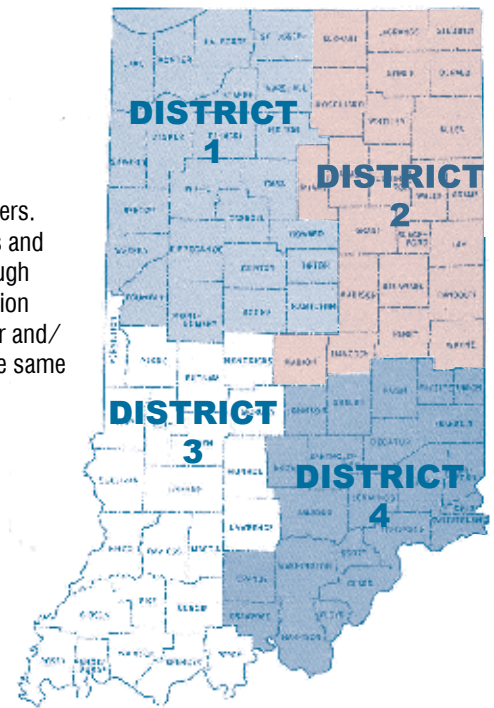
There are three Director seats up for election this year.

(These seats are currently represented by: Dave Seacat, Phil Bastin and Tim Frederick — all At-Large Positions)

As a duly elected Board Member or Manager of the:

(Official name of system member)

District #



I nominate the following person to be considered for a position on the Alliance of Indiana Rural Water Board of Directors.

Name: _____ Title: _____

How long has nominee served his/her system? _____

Please list nominee's certifications, civic involvement, skills, affiliations and involvements that would benefit the Alliance (use additional pages, if needed):

Signature and Title

Date

Candidates should be willing to devote a considerable amount of their time to issues affecting the association. Please have nominee read and sign the following commitment to serve.

COMMITMENT TO SERVE

If elected to the Alliance of Indiana Rural Water Board of Directors, I will attend meetings, serve on committees, etc., be actively involved in the Alliance and commit to the following:

- Participate in 80% or more of the Board of Directors meetings
- Attend the Annual Membership Meeting
- Attend either the Spring or Fall Conferences, both if possible
- Attend at least one (1) NRW Rural Water Rally during each three-year term
- Attend at least one (1) NRW Annual Conference during each three-year term

Nominee's Signature

Date

Deadline: To be considered for a position on the Alliance Board, signed nominations must be received in the Alliance office by September 4, 2014.

TO: ALL MEMBERS OF THE ALLIANCE OF INDIANA RURAL WATER

FROM: Dave Seacat, PRESIDENT

DATE: June 23, 2014

**TOPIC: ALLIANCE OF INDIANA RURAL WATER
33rd ANNUAL MEMBERSHIP MEETING**



The 33rd annual membership meeting of the Alliance of Indiana Rural Water is scheduled for 8:00 a.m. on **Thursday, September 18 at the Grand Wayne Convention Center in Fort Wayne, Indiana.**

During this meeting, three (3) members of the Alliance Board of Directors will be elected to fill three open Director seats. I will appoint a nominating committee to present a slate of candidates at the annual meeting.

Any voting member of the Alliance, who wishes to be considered for election, may submit their name on the nomination form.

Any voting member who follows these guidelines shall have their name placed on the ballot as seeking a position as a Director of the Board. Per the Alliance by-laws, (see 2014 Resource Directory) **THERE WILL BE NO NOMINATIONS FROM THE FLOOR AT THE ANNUAL MEMBERSHIP MEETING.** All directors elected at the membership meeting shall serve a three (3) year term, through the annual meeting of the year their term expires.

★ In order to cast votes for potential board members, **please complete the certification of delegate form below and return by fax, email or mail by Wednesday, September 17 at 9:00 a.m.**

CERTIFICATION OF DELEGATES

Article VI, Section 5, Voting:

"Each Active Member shall be entitled to one (1) voting delegate, in person, on each matter submitted to the delegates at each annual or special meeting. Only one (1) vote per person. No employee of the Alliance may vote for a member system. All matters presented to such annual or special meetings shall be decided by a majority vote there at. There shall be no voting by Proxy."

As a member utility representative of the:

Official name of member system

I hereby certify the individual listed herein is the designated official voting delegate/alternate to the Alliance of Indiana Rural Water Membership Meeting scheduled for 8:00 a.m., Thursday, September 18, 2014 in Fort Wayne, Indiana, and that the delegate meets the criteria of the Alliance of Indiana Rural Water by-laws under Article VI, Section 6, which states:

"Each delegate / alternate shall be an active user or employee of the system he / she represents."

Delegate Name _____

Alternate Name _____

Signature

Title

Date

Mail to: Alliance of Indiana Rural Water; Attn: Frank Pouliot, Secretary; P.O. Box 789; Franklin, Indiana 46131

Fax: 317-736-6676

Official Contest Rules

1. Upon arrival at the Hilton Fort Wayne at the Grand Wayne Convention Center, register your one-gallon sample at the registration desk no later than 9:00 a.m. on Wednesday, September 17, 2014. Samples will be stored by Alliance staff until the the "Best Tasting Water in Indiana" Taste Test during Wednesday's luncheon. **A representative from the system MUST be present during the contest.**
2. It is preferable that you submit the one-gallon container of water, labeled with your system name on the bottom, in a glass container.
3. Store your sample on ice, in a small, labeled cooler. No large coolers will be accepted, as space is limited. All coolers will need to be retrieved no later than 3:15 p.m. on Thursday, at the registration desk.
4. Systems submitting samples must meet IDEM approval by having no violations of bacteriological testing or chemical monitoring for two years prior to the Taste Test.
5. A panel of judges will be selected to rate samples based on taste, odor, and clarity.
6. The winner will receive a news release to appear in the spring *Hoosier Pipeline* magazine, as well as an all-inclusive trip to Washington, DC to compete in the NRW Great American Water Taste Test in 2015.



"Best Tasting Water in Indiana" Taste Test 2014

Sponsored by the Alliance of Indiana Rural Water

Official Entry Form 2014 "Water Taste Test"

Water System: _____

Samples submitted by: _____

Describe your water treatment process: _____

How many gallons a day do you pump? _____

What is the population of your city or town? _____

Pre-register by mailing or faxing entry form to AIRW by 9/10/14.

P.O. Box 789
Franklin, Indiana 46131
Fax: 317-736-6676

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Mention Group Code: AOI when booking your room.

ATTENDEE REGISTRATION INFORMATION




is more than just talk

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.***



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9th Annual Alliance Foundation Scholarship Golf Outing

Thursday, August 21, 2014
Winding Ridge Golf Course

5450 Bogey Drive, Indianapolis, IN 46235

(Located just off East 56th Street)

Registration: 10:00 a.m. / Lunch: 11:00 a.m.
Hamburger / hot dog lunch
provided before tee-off

Tee Time: 12:00 p.m. (shot gun start)

Format: Scramble, Teams of four

Cost: \$85 - Individual
\$300 - Foursome

Dress Code: Collared Shirt, Soft spikes

**HOLE IN ONE WINS
\$10,000 CASH**



ALL PROCEEDS benefit the Alliance of Indiana Rural Water's Scholarship fund.

Meet the 2014 Scholarship Winners



Marissa Schmitter
Daughter of Mark Schmitter
Washington Township Water Corp.



Nathaniel White
Son of William White
Town of Rockville



Sara Mosley
Daughter of Scott Mosley
Kendallville Water Department



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

Registration form must be returned to the Alliance office no later than August 7, 2014
Refunds after August 7, 2014 will be subject to a \$15 administrative fee.
(Questions - call toll free 888-937-4992, or email: alliance@inh2o.org)

9th Annual Alliance Foundation Scholarship Golf Outing

Golf Registration Form

Please complete this form and list all team members. **Please print or type.**

Individual \$ 85
Foursome \$ 300

Company _____ Name _____
Address _____
City _____ State _____ Zip _____ Name _____
Phone _____ Fax _____ Name _____
Email _____ Name _____

☐ Place me with a team
☐ List Team Members:

ALL PROCEEDS benefit the Alliance of Indiana Rural Water's Scholarship fund.

Sponsorships (must be secured by July 31 to receive signage.)

- ☐ **Golf Tournament Sponsor** **\$400**
Recognized as a tournament sponsor with signage, including contests and prizes
- ☐ **Beverage Cart Sponsor (2 available)** **\$350**
Recognized as the beverage sponsor with signage.
Also, a company representative may drive the beverage cart.
- ☐ **Hole Sponsor** **\$100**
Recognized as a hole sponsor for the golf tournament with signage.

☐ Send Invoice ☐ Enclosed is my check # _____
☐ Please charge my credit card
☐ Visa ☐ MC Card # _____
Name on card _____ Expiration date _____
Signature _____ Billing Zip _____

Registration _____
Sponsorship _____
Total \$ _____



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

Registration form must be returned to the Alliance office no later than August 7, 2014
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"You provided the help that we needed when we needed it and in a timely manner.

Thanks for making it possible and so convenient to obtain a loan in our time of need..."

Director - Rural Water PWS

Systems applying must be public entities. This includes municipalities, counties, special purpose districts, Native American Tribes and corporations not operated for profit, including cooperatives, with up to 10,000 population and rural areas with no population limits.

for more information
contact david@nrwa.org
or go to:

www.nrwa.org

YOUR FUTURE

Turning on the tap or flushing the toilet is as simple as turning a knob or pushing a handle. What you don't see is the vast infrastructure—800,000 miles of water pipe and 600,000 miles of sewer line—that takes over from there. Every community is literally built on top of this infrastructure and wouldn't be possible without it. These systems have worked silently for years, in some cases more than a century, without major interruptions, but now they need your attention. Your investment is needed to keep infrastructure functional for current and future generations.

Did you know?

- The United States has a remarkable infrastructure system that has silently and reliably provided safe drinking water, wastewater collection and treatment, and stormwater and floodwater management for many years.
- Much of the U.S. water infrastructure was built nearly a century ago. It is aging and crumbling at a significant rate but investment is lagging and we are fast approaching a critical point. In some cases, our pipes and plants are literally falling apart.
- The U. S. Government Accountability Office estimates that water and wastewater utilities are not generating enough revenue from user rates to cover the full cost of their service.¹ As a result, we are starting to experience the effects of chronically postponed maintenance from funding shortfalls.
- U.S. cities are spending more dollars on water and wastewater each year, but the investment needs far outweigh local governments' abilities to keep up with aging infrastructure. Americans will likely face increased service disruptions, increased water main breaks, and greater impacts on local economies and threats to public health.²
- In 2006, U.S. infrastructure was number six on the World Economic Forum's ranking of best national infrastructure systems. By 2012, we had fallen to number 16!³

- More than \$180 billion is needed to repair or replace U.S. water, wastewater and stormwater systems. Investing in water infrastructure will produce healthier communities, reduce water pollution, and directly generate nearly 1.9 million jobs. An additional 800,000 jobs will come from increased economic activity in related sectors.⁴

Why should you care about water?

Our communities and our lives are built on water. In addition to protecting our health and the environment, we need clean water for a healthy and growing economy. Clean water and wastewater services support a \$50 billion per year recreation industry, \$300 billion in coastal tourism, \$45 billion in commercial fishing and shell fishing industries and hundreds of billions of dollars a year in basic manufacturing.⁵ Without water, we don't have a future.

Small actions can make a BIG difference.

- Invest in your water infrastructure.
- Don't take water for granted. The water we have now is all that we will ever have. Use it wisely.

- Think before you flush. Everything you send down the pipe ends up at your local wastewater treatment plant. We are all part of the water cycle. We all live downstream.
- Educate yourself. Take a tour of your local water and wastewater treatment plant to learn what happens to the water that you drink and use.
- Read and understand your water and wastewater bill.
- Stay informed about the water quality issues facing your community by contacting your local municipality and attending public meetings.

You need water. Water needs you.

Indispensable to jobs, the economy, our health and our communities, water runs through our lives in many ways. Everyone uses water and everyone is responsible for it.

We must all work together to keep our water clean and healthy. To do that, we each need to learn to value water. **To learn more, visit www.WatersWorthIt.org.**

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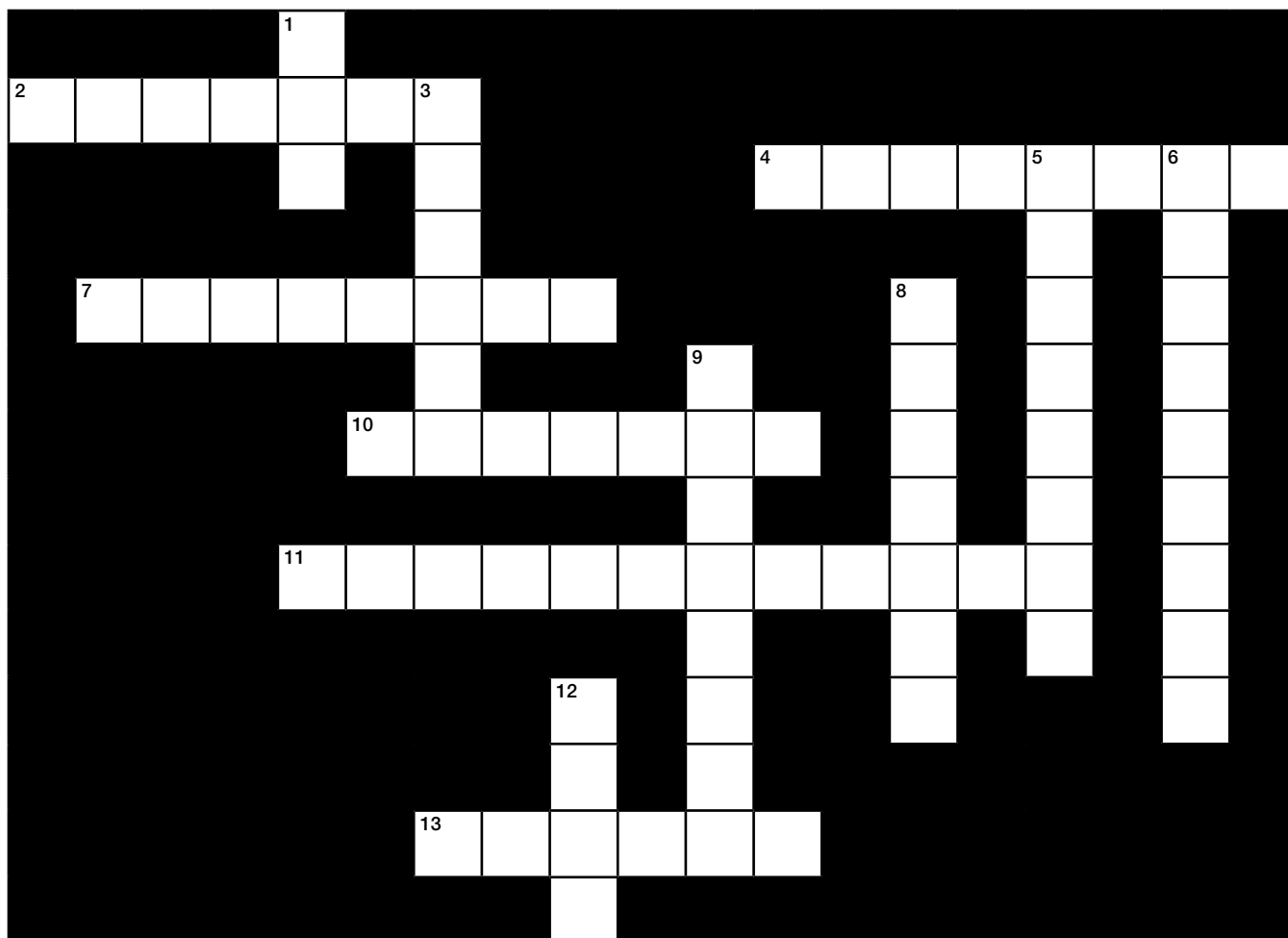


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1. U.S. Government Accountability Office [GAO]. (2011). Energy-Water Nexus: Amount of Energy Needed to Supply, Use, and Treat Water is Location-Specific and Can Be Reduced by Certain Technologies and Approaches. Retrieved on May 23, 2012 from <http://www.gao.gov/new.items/d11225.pdf>. 2. The United States Conference of Mayors [USCM]. (2010). USCM Releases New Report on Projected Water, Wastewater Costs [Press Release]. Retrieved on May 23, 2012 from http://usmayors.org/usmayorsnewspaper/documents/03_22_10/pg10_water_report.asp. 3. Lange, Jason (2011). "U.S. infrastructure woes: A roadblock to growth" (Aug. 16, <http://www.reuters.com/article/2011/08/16/uk-usa-economy-infrastructure-idUSLNE77E04E20110816>). 4. Gleick, Peter, and Phaedra Ellis-Lambkins (2011). Jobs and Water for America (Oct. 5; <http://www.forbes.com/sites/petergleick/2011/10/05/jobs-and-water-for-america>). 5. Water Infrastructure Network [WIN]. (2007). Water Infrastructure Now: Recommendations for Clean and Safe Water in the 21st Century. Retrieved on May 23, 2012 from <http://www.win-water.org/reports/pub2/winow.pdf>

Collection System 1

By Barbara Smith



ACROSS

2. Must protrude 18" above the top of the excavation.
4. 2.0 ft./sec is the minimum scouring ____ normally used for sanitary collection lines.
7. Is equivalent to a 1.34 horsepower.
10. Chlorine is _____ than air.
11. Bad joints are the most common reason for this.
13. Spring blades are used with a power _____.

DOWN

1. A bullet-shaped object passed through a force main.
3. In sewers this is mechanically removed by high-pressure jets.
5. The most common chemical used for odor control in sewers.
6. Schedule 40 refers to pipe wall _____.
8. Is the mechanical means to remove material from a sewer.
9. If the discharge valve on a centrifugal pump is partially closed, the amperage will _____, discharge head will decrease.
12. Employers must provide employees with information about possible health effects from contact with hazardous material. It is called "right-to-know." This document provides that right.

SOLUTIONS

ACROSS
2. SHORING 4. VELOCITY 7. KILOWATT 10. HEAVIER 11. INFILTRATION
13. RODDER
DOWN
1. PIG 3. GREASE 5. CHLORINE 6. THICKNESS 8. CUTTING
9. DECREASE 12. MSDS

Water should be clear, but not invisible.



Indispensable to jobs, the economy, our health, and our communities, water runs through our lives in many ways.

We all have something at stake when it comes to water. Each of us also has a valuable contribution to make.



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December 2, 2013

Subject: Water Leak Detection on N.1st Street

I wanted to take the time to send you [Gordon Meyer] a letter congratulating you on your excellent leak detection skills! You were within a two-foot radius of where our pipe had split. Thank you for taking the time, even on such short notice, to come to Boonville and help us find the leak that had been eluding us for a week. Locating the leak allowed us to be able to dig in one spot and not tear up the entire road and customer's yard on a wild goose chase.

Thank you and the Alliance again for all you do!

*Jill E. Carr
Assistant Project Manager
Veolia Water North America*

January 14, 2014

Thank you [Connie Stevens] for your assistance with our borrowers this year. You've identified operations efficiencies with our borrowers, provided tailored board training, and searched the state for troubled utilities after natural disasters. In addition, you have accepted more responsibility in your annual contract, including reviewing O & M costs in PERs as needed and completing a comprehensive survey for similar systems' costs. Your service is appreciated, Connie. Thank you.

*Rochelle K. Owen, AICP
Director of Community Programs*

March 20, 2014

I just wanted to take a moment and thank you. Marty was so surprised! He is still humbled that anyone would do that for him.

We appreciate the Board and the Alliance for giving these awards to hardworking men and women. If they do get to that day when they hit a brick wall and wonder why they do what they do, the plaque is a great reminder.

The Alliance is a great resource with amazing people like you that see to it that we stay ahead of the times and keep our communities safe!

Thanks again,
*Melinda Kamp
Clerk-Treasurer
Town of Akron*

May 7, 2014

I want to tell you how much help Rex has been for me. When I ask Rex a question he will get an answer back to me as soon as possible. About three weeks ago I asked a question of Rex and he came down to Jennings Northwest Regional Utilities (JNRU) to discuss the options I was planning on using. I feel Rex is a valuable person to the Alliance because of his work ethic. I can also tell Rex is becoming more comfortable in his position because he puts you at ease as he explains the options.

I also want to thank the Alliance for being available almost at my beckon call. I find it is very helpful to have an organization that has the information I need that I can call on when I have a question.

Thank you,
*Michael E. Ruby
Utility Superintendent
Jennings Northwest Regional Utilities*

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The official publication of the Alliance of Indiana Rural Water

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Dave Gill, *Marketing Manager*
Email: david@kelman.ca
Phone: 866-985-9791
Fax: 866-985-9799



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



1. Brookville Lake
2. Blann Log Cabin, Morocco
3. Wythougan Park, Knox
4. Albion
5. Dunns Bridge, Kouts

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