



Small Systems Committee  
INDIANA SECTION AWWA

AWWA SMALL SYSTEMS  
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# FYI - Small Systems

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June, 2008

## FYI

We hope you and your utilities have not been too adversely affected by the dangerous weather we've had throughout the State. Several of you have, though, and we hope you have taken advantage of the new Indiana Water/Wastewater Agency Response Network (InWARN). This voluntary "utilities helping utilities" system was developed for just such events. If you have not already joined, we encourage you to do so.

Other assistance for utilities, individuals, and businesses is available thru the Federal Emergency Management Agency (FEMA), the Small Business Administration, and the Family and Social Services Administration and Work One centers. The latest information from state agencies about coordinated relief and recovery efforts is available at [www.emergency.in.gov](http://www.emergency.in.gov).

Now is a good time to review your preparedness for severe weather or other emergency situations. Go thru your Emergency Response Plan and update it as needed, obtain any additional emergency training you or your staff may need, perhaps conduct a mock disaster drill to test it all out.

For all of you that have stepped up to help your neighbors and friends in these trying times, a very heartfelt 'THANK YOU'.

As always, please contact any of the Small Systems Committee members listed on the left if we can be of assistance or if you have ideas on how we can better serve Indiana's water and wastewater utilities.

## FYI FROM THE SECTION CHAIR

I am honored to serve as this year's Chair of the Indiana Section AWWA. During the last several weeks, I've had the opportunity to travel to all areas of Indiana, attending the five Indiana AWWA District Meetings. Your District officers are to be congratulated on providing excellent meetings with informative programs.

At these meetings, I informed the membership about:

*Proposed by-laws changes that may occur and could be voted on at the annual Conference* -- These minor changes would affect the language on our fiscal audits and would allow a District Officer to fill in for the Trustee at the Executive Board meetings. Watch the AWWA Newsleaks publication for future announcements on this proposed changes.

*2009 Annual Conference Abstracts Requested* -- Chair Elect Don Barnes is currently asking for abstracts for presentations at the 2009 Annual Conference. Forms for submitting abstracts are available by calling Don or by going to the Indiana Section AWWA website.

*Indiana Water/Wastewater Agency Response Network (InWARN)* -- This network of Indiana utilities, provides a predetermined mutual aid agreement for utilities across Indiana. Utilities helping Utilities in a time of crisis or disaster. The Indiana Section AWWA, Indiana Association of Cities and Towns, and Indiana Rural Water Association support this network. More information can be found by going to any of these groups' websites.

I hope you all have a great summer! If you are not a member of AWWA or IRWA, please consider joining! The information you can obtain from these meetings is very valuable! If you would like more information on these groups, please give me a call at 574-773-4623!

Gale A. Gerber, Chair  
Indiana Section, AWWA

## NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS)

The National Incident Management System or NIMS, was directed to be developed on February 28, 2003 by the President. This system was developed in response to the September 11, 2001 terrorist attacks.

After the attacks, it was realized that we needed to improve prevention, preparedness, response, recovery, and mitigation capabilities and coordination processes across the United States. NIMS is unique because it is designed to provide a consistent nationwide template that enables Federal, State, local, and tribal governments and private-sector and nongovernmental organizations to work together in order to prepare for, prevent, respond, and recover from domestic incidents regardless of size or complexity. Incidents can include acts of terrorism, wild and urban fires, floods, hazardous material spills, nuclear accidents, aircraft accidents, earthquakes, hurricanes, tornadoes, typhoons or basically any type of disaster situation.

As you can imagine in order for all government and private entities to work together you need a structured framework that will allow for this to happen. NIMS has the concept to do just that, it provides for a consistent and adjustable national framework so that all levels can work together to manage incidents regardless of size, location or complexity. This allows for individuals and entities to be appropriately placed when it comes to dealing with tasks which eliminate confusion and allows the resources to be most useful.

You will need the appropriate level of NIMS training as well. Levels are broken down as 100, 200, 300, 400, 700 and 800. To see what specific training and levels you need, you can go to [www.nimsonline.com](http://www.nimsonline.com) or you can contact FEMA for training information. Federal departments and agencies were required to have appropriate levels of training as a condition for Federal preparedness assistance (grants, contracts) beginning in FY 2005. The training requirements are ongoing so you need to stay updated and don't forget about new people coming in to your organization who may not have had the training.

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## ANNOUNCEMENTS

### OPERATOR SCHOOL - REGISTRATIONS NOW BEING ACCEPTED

The Indiana Section AWWA Operator School classes begin in August at various locations around the State of Indiana. Registrations are now being accepted. The deadline for registration and ordering discounted books was June 30.

Registrations can be accepted after the June 30<sup>th</sup> deadline for classes only. Books will have to be ordered by the registrant directly thru the AWWA Bookstore.

For more information, please visit the Indiana Section AWWA website at [www.inawwa.org](http://www.inawwa.org) or call Vicky Zehr at (260) 427-1303.

As of July 21<sup>st</sup>, 2008 the Northern Regional Office of the Indiana Department of Environmental Management in South Bend will be moving!

Please be advised that the new offices for the Northern Regional Office of IDEM will be located in the St. Joseph Station Building at:

300 North Michigan Street, Suite 450  
South Bend, IN 46601  
Main Line: 574/245-4870  
Fax Line: 574/245-4877

We would also like to invite you to an open house held at the new offices on July 29<sup>th</sup>, 2008 from 2 until 6 in the afternoon.

All phone numbers and e-mail addresses will remain the same; the only change will be mailing address to the South Bend office.

## GRANDPARENTED OPERATOR TRAINING SPONSORS

The Indiana Section AWWA and Indiana Rural Water Association teamed up and were awarded the 4-year Indiana Water Operator Training contract from IDEM in 2004. The first year was spent developing training materials. The next 3 years have been spent conducting 48 workshops per year to train operators with grandparented or facility specific certifications. This is the last year of this contract. Operators with regular certifications may attend these workshops and receive contact hours as well. For a schedule of the remaining IWOT workshops, please visit the website that was developed specifically for this contract – [www.indianawateroperatortraining.org](http://www.indianawateroperatortraining.org).

We wish to thank the following companies for their sponsorships and support of the workshops in 2008:

- Bonar Group
- Caldwell Tanks
- Camp Dresser & McKee, Inc. (CDM)
- Joe Dock Construction Co.
- The Ford Meter Box Co., Inc.
- FBPH, Inc.
- GRW Engineers, Inc.
- HD Supply Waterworks
- HNTB
- Indiana American Water Co. – Corporate
- Indiana American Water Company – Jeffersonville
- Infrastructure Systems, Inc.
- Jones & Henry Engineers, Ltd.
- O.W. Krohn & Associates, LLP
- Ladd Engineering, Inc.
- Lawson-Fischer Associates, P.C.
- London Witte Group LLC
- Mathies Backflow Testing
- Midwestern Engineers, Inc.
- NIES Engineering, Inc.
- Norman Noe Co., Inc.
- Orival, Inc.
- Ortman Drilling & Water Services
- Peerless-Midwest Incorporated
- Everett J. Prescott, Inc. (EJP)
- The Schneider Corporation
- Seiler Instrument
- M.E. Simpson Company, Inc.
- Strand Associates, Inc.
- Triad Associates, Inc.
- Umbaugh
- United Consulting Engineers & Architects
- United Rentals Trench Safety
- United Systems and Software
- United Water
- Utility Supply Company

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## METER MADNESS COMPETITION

By: **Jeff Morris, M.E. Simpson Co., Competition Chair**

Our thanks go out to Dan Smith, City of Fort Wayne (NE) for representing the Indiana Section in the AWWA Meter Madness Competition at ACE in Atlanta this past June 2008. Eighteen competitors from across the country met to see who would walk away with the title “AWWA Meter Madness Champion”. Dan should be congratulated for a good showing and a respectable time of 1:10:04.

During the preliminary rounds the competitors had assembly times ranging from 1 minute, 52:76 seconds to 37:13 seconds. Eric Kresmery of Elgin, IL, the competitor with the slowest time of the day in round one, came back with the second fastest time in round two, which put him in the final four. He had a fantastic run in the final and he walked away with the fastest time of 40:66 and the first place trophy. That’s awfully fast to assemble a working water meter from a bucket of parts. Assembling that meter with a really fast time is a matter of a little practice and a lot of luck.

You’ll soon have an opportunity to try your luck as it’s that time once again. It’s time for you to prepare and compete in the 2008/2009 Indiana Section Meter Madness Competition. Preliminary competitions will be held at each of the upcoming Fall District Meetings. Each utility is encouraged to enter one person in the competition at the District level. The winner of each District will have the opportunity to compete for the title of 2009 Indiana Meter Madness Champion at the Indiana Section AWWA - Annual Conference, to be held in February of 2009. Dan Smith will be back defending his title and trying for a repeat win.

The meter to be used in the 2008/2009 Meter Madness Competition is the Neptune T-10, 5/8 x 3/4 displacement meter supplied by Utility Supply Inc. and The Neptune Technology Group. To obtain a meter on which to practice, please contact Jeff Morris, of M.E. Simpson Co., Inc. at (800) 255-1521 or Phil Hepburn, of Utility Supply Inc. at (cell) 317-501-1206.

The National Meter Madness Competition will be held at the ACE Conference in San Diego, California in June 2009. One note to encourage you to practice and participate in the competition is that the Indiana Section AWWA donates a large portion of the travel and accommodation expenses for the Indiana Section winner. So get your meters and start practicing!

Thanks to all the contestants and to their supervisors for allowing them to participate in the Meter Madness and attend the District, State and National meetings.

See you at the Fall Meetings.

## LIGHTNING PROTECTION AND TRANSIENT VOLTAGE

By: Jeff Hoshaw, Peerless-Midwest, Inc.

Shocking news about lightning protection and transient voltage.....

It's that time of year again -- spring storms bring problems associated with transient voltage damage and phase loss. Lightning, voltage surges and sags, and general power interruptions have long lasting effects on electrical systems. Sometimes the damage caused surges may not become evident until long after the event occurs. For a number of reasons, I have had to take a hard look at what's necessary to protect water and wastewater systems in regard to Transient Voltage Surge Suppression (TVSS ). I looked at several water well and treatment systems that I've worked on in the general area around our office. I wasn't surprised when I saw that most systems had no protection whatsoever against power surges and lightning damage. I had a feeling that this would be the case. From experience, I know that most systems only address Transient Voltage Surge Suppression (TVSS ) after they have an event that causes damage. Voltage transients and phase loss cost industry and utilities billions of dollars a year in the U.S. Here are some facts and ideas that you may want to consider.

Prior to 1980, Surge Protection Devices (SPD's) were for the most part somewhat hardy devices that limited the amount of damage caused by serious voltage surges. They were in the general category of lightning protection. The motor control equipment was heavy duty and probably could withstand some surge events without being completely destroyed. With the advances made in electronics and controls circuitry, better TVSS protection is demanded. Problems associated with power spikes and sags that did not matter with older technology is now an issue that needs to be addressed. During research and development, companies found that power problems which typically occur in most systems really do have long term effects on motors and other gear as well as the new technology equipment. Motors and other equipment may not immediately fail after transient events, but studies have found that the life of the equipment is reduced. For all these reasons, technology has advanced to the point that there are now good and reliable protection devices available at competitive prices.

Industry has categorized the types of protection devices necessary for individual protection of control electronics, power, and communication systems. Protection can come in the form of whole system surge protection for large facilities, installed at the service entrance, to something as simple as point of use devices installed at the motor disconnect or in electronic control panels. Most manufactures of SPD's have "Retrofit" types of devices that can be installed directly on the incoming service to the any facility. This type equipment is a great choice for pumping stations and well sites. Retrofit series systems are usually very easy to install and are a cost effective choice for complete system protection. Most of these devices come with alarms, phase indicators, transient counters and even Ethernet communication ports for remote monitoring. Also, these devices can be purchased with filtering capabilities to eliminate other dirty power components, like electromagnetic and radio frequency interference. An in depth look at the size and type for each device is beyond the scope of this newsletter, other than to say that typical phase rating protection range from 100 to 500 kA.

## CONFINED ANIMAL FEEDING OPERATIONS (CAFO's)

As more Confined Animal Feeding Operations (CAFO's) are being constructed, the ideal isolated sites for such an operation are becoming limited. Therefore, there is a rising concern for these facilities being built in close proximity to our drinking water supply well fields, and how to address these challenges so that these waters are properly protected.

There is a wide array of issues to address, but the primary two are to realize the magnitude of the CAFO's and how to contain the possible threat of contaminating our water sources. For example, a typical CAFO hog operation houses approximately 8,000 head in two enclosed barns. The barns are built on top of below grade concrete tanks with slatted tops that double as the floor for the hogs. The waste from the hogs simply fall through the slats into the tanks where it is stored up to a year (approximately 4 million gallons of waste) with no treatment. In wastewater, biochemical oxygen demand (BOD) is a standard measure for determining how fast oxygen is depleted by biological organisms. The BOD from the grower hogs housed in the CAFO is 2.3 times higher than that of a human's waste. (Calculated from Table 4-11, Part 651 AWMFH and Metcalf & Eddy, Inc, Table 5-4, p. 166) Therefore, this example operation is equivalent to a city or town with a population of 18,400 where the waste produced is not treated daily, but stored in a tank untreated for a year. As you can see, the magnitude of the potential for contamination is significant.

The second issue is how to contain this waste so that it does not contaminate the aquifer, streams, etc. that affect our drinking water supply. The concrete tank is only the barrier between the untreated hog waste and the ground. As the old adage goes "There are two things absolute about concrete.....it is hard and it will crack." The latter is the key component that needs to be minimized and nearly eliminated in order to ensure a watertight tank to house the waste. The waste produces hydrogen sulfides gases and sulfuric acid which are corrosive and should be addressed in the design of the tank so proper measures are taken to ensure the tank does not fail.

As a water and wastewater engineer, the primary step in beginning to design a facility such as this, with below ground concrete tanks, is to determine the site conditions by obtaining soil borings and report. This will tell where the water table is, whether the soil type can support the structure, the foundation type, the wall design.....everything in the concrete tank design will be influenced by what is found in the soil borings. For instance, if it is a clayey hydric soil, it has a tendency to swell in wet weather (placing additional loads on the tank, and shrink and fracture in dry weather (allowing a direct conduit through the soil for any waste to migrate if the tank cracks). Or if it is a sand and gravelly soil, it would allow any wastewater leakage to flow well through the ground. If the water table is high on the site, then dewatering mitigation has to be properly designed. The industry standard used in the design of water and wastewater concrete tanks is the American Concrete Institute ACI 350 – Environmental Structures: Code Requirements. The ACI 350 Code addresses all aspects of the reinforced concrete design for all environmental concrete structures, such as concrete type, strength requirements, wall thickness requirements, reinforcing steel bar size requirements, reinforcing steel bar concrete cover requirements, concrete testing and quality control measures during construction, concrete surface treatment, construction and expansion joint requirements, water stop requirements, testing for water tightness, etc. Given the magnitude and contents in the concrete tanks in the CAFO's, I would consider it an environmental structure and design it as such.

However, there are differences between the State's requirements for water and wastewater projects and CAFO projects. Given the similarities of the nature of the CAFO projects and the water and wastewater projects, some of those different requirements may need to be revisited to protect our drinking water sources from contamination as they have done so on the water and wastewater side. A licensed professional engineer is required to design, sign and stamp all water and wastewater projects. This says that the engineer is confident in his expertise that the project is properly designed and will do the job it is intended, and is held accountable for any failures. This helps take accountability off of the State reviewer and placed onto the engineer. Even a single dwelling home's septic field must be signed and stamped by a professional engineer. On a CAFO project, a licensed professional engineer is not required to design, sign and stamp the plans and permit application for the State. As we visited before, the ACI code is an industry standard. However, the State's guideline is the Midwest Plan Service Manual that is much less conservative, in every aspect, than the ACI code. A few differences include no water tightness test or concrete quality or strength testing requirement, no frequency or location of the construction and expansion joints shown, no reinforcing steel required in the foundation, and a 4" thick floor slab for the tank is acceptable in the Midwest Plan Service Manual. The State does not require any drawings to be submitted on the structure above the concrete tanks. However, this is detrimental in designing the concrete tank as there will be specific loadings placed by that structure. No detailed site plan drawings with topography, stormwater calculations, etc. are required. These are just a few of the differences in requirements and design, but there are many others that need to be taken into consideration in an effort to minimize any potential of tank failure.

The issue of a potential for contaminating our drinking water supply sources by CAFO's is a valid concern and evident after reviewing the facts. All proposed sites and plans for CAFO's should be carefully analyzed to make sure that they are properly designed to keep our drinking water safe.

## OH, TO BE A TOWN COUNCIL MEMBER

By: John Shettle, Town of Orestes

Did any of you operators out there ever yearn to be a Town Council member? Did the thought ever occur to you that if you could control the money your life would be easier, and you could really have a bang up system if it wasn't for the short sighted individuals that now occupy the position?

Of course your main thoughts about controlling the money, are about spending all the money. The need to justify your expenditures would go away. Having to answer questions about the idea you want to implement would be a thing of the past.

Unfortunately, after a while on the job you would find that the hard part about being in charge of the money is not the spending part, but rather it is the earning. Making sure that you are bringing in enough money to pay the bills, all the bills, which come in all year long.

To do this requires good records of income and expenses cost of supplies, equipment and labor. In addition you need to monitor the economy in general and cost trends in your line of business in particular. These allow you to project costs into the future and to calculate how much more you need to earn this year than last year. It seems like costs go up every year, you need to know how much they are going to go up so you can adjust your rates.

One of the things you will realize before you've been on the Council very long, is how important your rates/ Service Clerk, or Town Clerk Treasurer is. This is the person that calculates the bills, sends them to your customers and collects the payments. The clerk's records let you study the past and make it possible for you to estimate future needs. If there is anyone in Town that you need to have in your corner, it is your office clerk.

You will learn that running the utility isn't the only thing on your plate. In addition to understanding how the utility works, you have to learn a lot about taxes and how they work. You might even have to try to influence your legislators vote on legislation that could impact your income.

In order to be able to do this will require you to read a lot of messages, go to several meetings, hold some telephone conversations, keep the other Council members apprised of your activities, seek consensus, deal with special interests.

If all your efforts to raise more money fail, you will then have to figure out how to cut costs. You will have to figure how much salaries can be increased (if at all), which projects to put on hold, or cancel, who to lay off.

Now that you've seen both sides, the operator's side and the Council's side, you are in a unique position. You know the good and the bad of both positions and you recognize the need for a partnership between the sides. If everyone is pulling together and pulling in the same direction, no load is too heavy.

Crucial to this partnership is good communication. This not only keeps everyone apprised of the entire picture, it builds trust.

Trust is important -- it is vital to successful operations. My Council Members learned to trust our operator. My guess is that most Council members have a lot of trust in their operators.

I'm not sure how much operators trust their council members. My guess is that there is some suspicion in the mind of the operator. Maybe this is because they've never walked a mile in their moccasins.

You have now traveled both roads and know the issues facing each. This may be the thing that makes you an excellent operator instead of just a good operator.

Remember, keep your stick off the ice.

## MARK YOUR CALENDARS!! (Continued)

(Continued from page 8)

**August 27, 2008** – Indiana Section AWWA – Southwest District Meeting – Evansville. Contact: Duane Gilles at 812-305-6684 or [dgilles@amwater.com](mailto:dgilles@amwater.com); or visit [www.inawwa.org](http://www.inawwa.org)

**August 29, 2008** – Indiana Water/Wastewater Agency Response Network (InWARN) Anniversary Celebration at the Indiana Statehouse. Contact: Stan Diamond at 317-924-3380 or [sdiamond@greeley-hansen.com](mailto:sdiamond@greeley-hansen.com).

**September 4, 2008** – IRWA/AWWA Operator Boot Camp – Grissom Aeroplex in Peru, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 866-895-4792 (toll free) or 812-988-6631; or visit the IRWA website at [www.indianaruralwater.org](http://www.indianaruralwater.org)

**September 6, 2009** – Running for World Water 5K Fun Run/Walk to benefit Water for People – Water Canal in Downtown Indianapolis by the NCAA Hall of Champions. Contact: Any Running For World Water Committee Member or visit [www.inawwa.org](http://www.inawwa.org) for ticket and sponsorship information.

- **Sarah Hudson:** *Committee Chair* - 317.408.7094
- **Odetta Cadwell:** *Indiana Rural Water Association* - 317.402.7349
- **Dan Haddock:** *Indiana American Water* - 317.885.2445
- **Amanda Rickard:** *Malcolm Pirnie* - 317.594.0989
- **James Reid:** *Indiana Public Works News* - 317.403.0798
- **Julie Hanson:** *Greely and Hansen* - 317.924.3380

**September 11, 2008** – Indiana Section AWWA – Central District Meeting – Danville, Indiana. Contact: Gary Reynolds at 765-427-7028, Jim Russell at 317-745-5853, or Tim Hill at 317-896-2987 or [tim.hill@peerlessmidwest.com](mailto:tim.hill@peerlessmidwest.com), or visit [www.inawwa.org](http://www.inawwa.org)

**September 12, 2008** – Indiana Section AWWA – Southeast District Meeting – Clifty Fall in Madison, Indiana. Contact: Tony Alley at 317-402-7942 or [talley@ortmandrilling.com](mailto:talley@ortmandrilling.com); or visit [www.inawwa.org](http://www.inawwa.org)

**September 18, 2008** – Van Dells Concert to benefit Water for People – Memorial Coliseum -- Evansville, Indiana. Contact: Duane Gilles at 812-305-6684 or [dgilles@amwater.com](mailto:dgilles@amwater.com); or visit [www.inawwa.org](http://www.inawwa.org) for ticket and sponsorship information.

**September 22, 2008** – Water Works Operator Certification Examination Application submission must be postmarked by this date. The application may be downloaded from the drinking water website:

<http://www.in.gov/idem/compliance/water/drinkingwater/certconted/index.html> or <http://www.in.gov/icpr/webfile/formsdiv/12094.pdf>. Contact: Ruby Keslar at [RKESLAR@idem.in.gov](mailto:RKESLAR@idem.in.gov) or 317/308-3305 or Dennis Henderson at [DHENDER@idem.in.gov](mailto:DHENDER@idem.in.gov) or 317/308-3304. Water Works Operator Certification Examination will be given November 6, 2008.

**September 22, 2008** – Indiana Rural Water Association Workshop – Lab Techniques, Procedures, and Analysis for Water and Wastewater Systems – Chandler, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 866-895-4792 (toll free) or 812-988-6631; or visit the IRWA website at [www.indianaruralwater.org](http://www.indianaruralwater.org)

**September 24, 2008** – Indiana Rural Water Association Workshop – Lab Techniques, Procedures, and Analysis for Water and Wastewater Systems – Greenfield, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 866-895-4792 (toll free) or 812-988-6631; or visit the IRWA website at [www.indianaruralwater.org](http://www.indianaruralwater.org)

**September 25, 2008** – Indiana Section AWWA – Northeast District Meeting – North Manchester, Indiana. Contact: Curt Kent at 574-254-9050 or [curtis.kent@peerlessmidwest.com](mailto:curtis.kent@peerlessmidwest.com); or visit [www.inawwa.org](http://www.inawwa.org)

**September 26, 2008** – Indiana Rural Water Association Workshop – Lab Techniques, Procedures, and Analysis for Water and Wastewater Systems – Valparaiso, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 866-895-4792 (toll free) or 812-988-6631; or visit the IRWA website at [www.indianaruralwater.org](http://www.indianaruralwater.org)

**September 30, 2008** – Stage 2 Disinfection By-Products Rule Deadline – Systems serving 100,000 or more people – Complete SM or SSS. Contact: Peter Poon at 317-308-3328, [ppoon@idem.in.gov](mailto:ppoon@idem.in.gov) OR Ceazar Natividad at 317-308-3365, [cnativid@idem.in.gov](mailto:cnativid@idem.in.gov) OR Stacy Jones at 317-308-3292, [sjones@idem.in.gov](mailto:sjones@idem.in.gov). Other information on the DBPR can be obtained from [www.epa.gov/safewater/disinfection/stage2](http://www.epa.gov/safewater/disinfection/stage2)

### Indiana Section AWWA

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### District Trustees

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#### Northwest District Trustee

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[jahvwd@netnitco.net](mailto:jahvwd@netnitco.net)

#### Southeast District Trustee

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#### Southwest District Trustee

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Indiana American Water Company  
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Small Systems Committee  
INDIANA SECTION AWWA

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Indiana Section AWWA:  
[www.inawwa.org](http://www.inawwa.org)

American Water  
Works Association:  
[www.awwa.org](http://www.awwa.org)

EPA Drinking  
Water Hotline:  
[www.epa.gov/OGWDW](http://www.epa.gov/OGWDW)



## MARK YOUR CALENDARS!!

To add dates to this section,  
contact any Small Systems  
Committee Member.

**Indiana Water Operator Training** for Grandparented and Facility Specific Operators – Please visit [www.indianawateroperatortraining.org](http://www.indianawateroperatortraining.org) for a schedule of workshops.

**July 1, 2008** – Long Term 2 Enhanced Surface Water Treatment Rule Deadline – Systems serving less than 10,000 people (monitoring for *E. coli*) – Submit sample schedule and sample location description. Contact: Mehul Sura at 317-308-3303, [msura@idem.in.gov](mailto:msura@idem.in.gov). Other information on the LT2 Rule can be obtained from [www.epa.gov/safewater/disinfection/lt2](http://www.epa.gov/safewater/disinfection/lt2)

**July 6, 2008** – South Bend Silver Hawks Event to benefit Water for People – Contact: Cathy Lance at 574-254-9050 or visit [www.inawwa.org](http://www.inawwa.org) for ticket and sponsorship information.

**July 29, 2008** – Open House for new IDEM Northern Regional Office – 2:00-6:00pm – New office located at 300 North Michigan Street, Suite 450; South Bend, IN 46601 – 574-245-4870.

**July 30, 2008** – AWWA Annual Golf Outing to benefit Water for People – Contact: Dan Hood at 800-255-1521 or visit [www.inawwa.org](http://www.inawwa.org) for sponsorship information.

**August 20, 2008** – Indiana Rural Water Association Workshop – Confined Space Entry – Fort Wayne, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 866-895-4792 (toll free) or 812-988-6631; or visit the IRWA website at [www.indianaruralwater.org](http://www.indianaruralwater.org)

**August 25, 2008** – Wastewater Treatment Plant Operator Certification Examination Application submission must be postmarked by this date. The application can be downloaded from IDEM's website at <http://www.in.gov/idem/compliance/water/wastewater/certconted/index.html>. The Wastewater Treatment Plant Operator Certification Examination will be given October 9, 2008. Contact: Rebecca McMonigle, IDEM, 317-232-8791, [rmcmonig@idem.in.gov](mailto:rmcmonig@idem.in.gov).

**August 26-28, 2008** – Indiana Street Commissioners Association Conference – Pokagon State Park, Indiana. Contact: Larry Lee at 765-482-8870 or Rob Roberts at 317-745-5970.

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Please visit AWWA's website ([www.awwa.org](http://www.awwa.org)) for additional information regarding continuing education and professional development offerings. Materials and instruction are available through a variety of media, from traditional seminars to online courses, teleconferences, and webcasts.