



# FYI - Small Systems

Small Systems Committee  
INDIANA SECTION AWWA

Volume 4, Issue 4

October, 2003

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## FYI

Hopefully as you read this edition of FYI – Small Systems you have already received the sad news of Marilyn Gambold's passing. She gave many dedicated years of service to the Indiana Section of AWWA as well as leading the Indiana Rural Water Association for the last 20+ years. We have lost a good friend and advocate for the water industry. She will be greatly missed.

As winter is fast approaching, the Small Systems Committee wanted to provide you with information on winterizing your water system. Hopefully you will find the Storage Tank Winter Maintenance article and the Winterizing Checklist of great value when looking at the winter needs of your utility. If you have any ideas on other items to be included in this Winterizing Checklist, please let us know. We view this checklist as a work in progress and look to update it as needed.

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Liz Melvin has provided you with some positive information on Wellhead Protection Plan review. Check out the "What's Up What's New IDEM" article below.

IDEM has given us an overview of the new fees that were enacted legislatively this past session. Public water supply systems will begin paying these fees in 2004. The total fee for each water system will be phased in, with full payments due on a yearly basis beginning in 2006.

Please get in touch with any of our Small Systems Committee members or our AWWA Board to give your input – not only on this publication, but on other ways the Small Systems Committee can assist your utility.

## WHAT'S UP WHAT'S NEW - IDEM

As reported in the July 2003, "What's Up What's New - IDEM", interviews were being conducted for the Ground Water Section Chief. As a follow-up on that report, the vacancy has been filled by the addition of Jim Sullivan to the section. Jim has been with the agency since 1995, working as a Geologist in the Office of Land Quality (OLQ). Prior to his experience at IDEM, Jim worked a number of years in California first in oil exploration with a major oil company then switched to the

greener side of the environment writing environmental impact reports required by the State of California for county government projects. Jim has a hydrogeology background and a lot of practical experience that will come in handy for the various tasks that are ahead for the Ground Water Section. One of the first tasks that Jim has become involved with is tackling the backlog of Small Community Systems Phase I Wellhead Protection Plans waiting for agency review. The Ground

Water Section has made this a priority in the coming months to wipe the slate of backlogged sites in a continuing effort to assist the Small Community Systems meet ground water protection efforts and goal. So, if you haven't heard from us yet and were wondering what became of your community's wellhead protection plan...that review will be forthcoming. The Ground Water Section will continue to work closely with small systems during the review

*(Continued on page 2)*

## FYI FROM THE SECTION CHAIR

Doug Perry

The fall district meetings went very well and were packed full of useful information. It is important to get out and support your district.

Your Board is looking into whether Indiana AWWA should sponsor a men's and women's tapping team to compete at the AWWA National Convention. For me, at this year's National Convention, one of the highlights was watching the tapping contestants compete. The women's team from Indy did an outstanding job! Unless you have attended a tapping contest before, you would not believe

the excitement and fun that was displayed. Teams come from all over the United States and the World. This is just like the Super Bowl of football. These teams work long and hard to become this good. Think about whether you would like to compete and or help sponsor teams. Please let your thoughts be known.

Hope to see you soon!

Doug Perry-Chair

## WHAT'S UP WHAT'S NEW - IDEM (continued)

*(Continued from page 1)*

process and work with you towards ultimate implementation of a system's Wellhead Protection Plan. If you're a numbers person, here are the statistics for the Small System Phase I plans that have been received to date (as of October 2003): 458 Small Systems have submitted their plans into IDEM for review; 401 plans have been reviewed, 158 Small Systems have had their wellhead delineation areas approved; and 119 Small Systems have had their Phase I plans approved by IDEM (congratulations!). If anyone has a specific question regarding the status of their system's review or questions regarding wellhead protection, source water protection, or ground water in general, please contact Jim at (317) 308-3388.

## NEW IDEM EMPLOYEES—DWB

The Drinking Water Branch has two new employees in the Permit, Certification and Capacity Section.

Daniel Main started working with us on October 6th. Dan is an Environmental Engineer 3 and will assist in the permit program. Dan is a graduate from the University of Minnesota and before joining us at the DWB he was in private industry in the state of Wisconsin.

Phil Hiestand started working as a permanent employee of IDEM on October 13th. Phil is working in the Operator Certification program as an Environmental Scientist 3. Some of you may recognize Phil's name for the reason that he worked for the DWB in the compliance section as a SEEP employee.

We are very excited to have these two individuals join us here at the Drinking Water Branch. Their vast knowledge and enthusiasm will serve them well in their new positions. Please join me in wishing them success in their new position.

## AWWA MENTORS PROGRAM

The persons listed below have volunteered to be primary contacts as part of our "Mentors Program". Please contact any of them for advice and information. If these primary mentors are unable to assist you, they will direct you to others that can. Additionally, you may contact any of the Small Systems Committee members, AWWA Officers, or District Presidents. Mentors and others will speak to you as peers only. Please keep in mind that IDEM has final regulatory oversight.

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## FREQUENTLY ASKED QUESTIONS INDIANA PUBLIC WATER SYSTEM FEE PROGRAM

The Indiana Department of Environmental Management (IDEM) is responsible for ensuring that Hoosiers have an adequate supply of safe drinking water. The agency carries out this responsibility by requiring each of Indiana's Public Water Systems (PWS) to comply with all federal and state drinking water rules and regulations.

Complying with these complex state and federal regulations requires significant effort and resources from the drinking water providers. Likewise, ensuring compliance with the regulations also requires a significant investment from IDEM. Because of recent additional federal regulations and new regulations that will soon be implemented, requiring even more IDEM resources, the 2003 General Assembly established new fees, which are designed to produce revenue from the PWSs being regulated that will support the IDEM drinking water program.

### 1. What PWSs are covered under this new fee program?

All PWSs, including community, non-transient non-community and transient non-community, are required to pay fees under this new program.

### 2. Can you give an example of each type of system and numbers of affected system?

*"Community"* water systems serve about 860 cities and towns, mobile home parks and subdivisions or homeowner associations outside of a city or town that provide water for the same population throughout the year.

*"Non-transient non-community"* water systems serve nearly 706 schools, childcare facilities, institutions and offices or businesses with 25 or more students or employees, and they provide water for the same population at least six months out of the year.

*"Transient non-community"* water systems serve approximately 2888 restaurants, motels, churches, campgrounds and businesses with less than 25 employees, and these systems provide drinking water for the public at least 60 days out of the year.

### 3. When does this program take effect, when will my system start paying a fee, and when will PWSs be notified about the fee amount they will be required to pay?

The fee program will become effective for all PWSs on January 1, 2004. The annual fee due each year will be phased in over a three year period

In 2004 each PWS will be notified shortly after July 1 and pay 1/3 of the fee established by the legislation.

In 2005 each PWS will be notified shortly after July 1 and pay 2/3 of the fee established by the legislation.

In 2006 and each year thereafter each PWS will be notified no later than January 15 and pay the full fee.

### 4. What are the Annual Fees for each PWS?

#### Community PWS

- Fewer than 400 service connections, \$350
- More than 400 service connections, ninety-five cents (\$0.95) per service connection.

#### Nontransient noncommunity PWS

Population Served	Fee
25-100	\$150
101-250	\$180
251-500	\$240
501-1,000	\$300
1,001-3,300	\$450
3,301-5,000	\$600
5,001-10,000	\$1,500
Greater than 10,000	\$3,000

*(Continued on page 4)*

## FREQUENTLY ASKED QUESTIONS (continued)

(Continued from page 3)

### **Transient noncommunity PWS**

- If groundwater is the drinking water supply source, \$100.
- If the drinking water is purchased, \$50.
- If surface water is the drinking water supply, \$200.

### **5. Who determines what the fees will be for each PWS?**

IDEM will use the data from its current inventory to determine the type of PWS, type of source water supply, and will work with community systems to determine the number of service connections.

### **6. When PWSs submit the fee to IDEM?**

The fee must be received within thirty (30) days after the PWS is notified of its fee. Systems that do not submit the required fee may be subject to enforcement, delinquency charges and/or penalties. A fee is considered late if it is not paid within thirty (30) days of notification. The delinquency charge is 10 percent of the fee.

### **7. How much revenue will these fees provide for the Safe Drinking Water Program?**

In 2004, approximately \$666,000.  
In 2005, approximately \$1,333,000.  
In 2006, approximately \$2 million.

### **8. What will this fee cost the typical Hoosier household?**

If a PWS chooses to pass along the annual fee to customers, the cost for the typical Hoosier household will be approximately \$0.08/month.

### **9. What will this fee be used for?**

The fees will be used to defray some of the costs of administering the federal Safe Drinking Water Act, including implementing the new rule, conducting additional inspections, enhancing drinking water security, providing compliance assistance, certifying operators, protecting source water, and providing necessary data management. IDEM will also meet with interested stakeholders to gain input on the use of the fees and how best to improve the program.

### **10. Will these new fees cover IDEM's cost of providing clean and safe water for Hoosiers?**

Under the federal Safe Drinking Water Act (SDWA), EPA currently supports a large portion of IDEM's drinking water program budget. About 20% of the current budget is general fund dollars, provided by Hoosier taxpayers. With the addition of these fees, approximately 44% of the program funding will be fees. The Environmental Protection Agency (EPA) has recently adopted more SDWA regulations, which in turn has increased IDEM's drinking water program costs. It is anticipated that continuous amendments to the SDWA in the upcoming years will result in additional costs for IDEM's drinking water program.

The fees adopted this year will allow IDEM to address the most recent amendments to the SDWA. However, they may not be sufficient to cover the additional amendments to the SDWA expected in the upcoming years.

### **11. Who or what gives IDEM this authority to raise fees?**

The General Assembly granted the authority in House Enrolled Act 1001, which was signed into law on May 8, 2003.

## WINTERIZING TIPS FOR WATER UTILITIES

Before long the cold winter air will be hitting us in the face. The question is are you prepared for the bitter cold weather that will come and can cause you so many problems? The purpose of this article is to get you brainstorming what areas you might have in your water system or community that could be potential problems or risk due to the cold weather. Here are a few areas that we need to check in our community and water utility, we call it our winterizing checklist.

- Start working on your winterizing checklist before the cold weather sets in. Set a deadline for when this checklist should be completed. (We are using October 31.)
- Check for fire hydrants that do not drain properly. You may have notes on these from your flushing program; if not, it may take awhile to check all of your fire hydrants so start early. Once you have identified the problem hydrants, you need to pump them down at least 3' below ground level. You will want to check these problem hydrants a couple of days after pumping them down to see if water is leaking by the main seat and filling the barrel of the fire hydrant back up.
- Check any areas in which you may use heat tape. You will want to make sure that the heat tapes are working properly. If the heat tape is 3-4 years old you may want to strongly consider replacing that heat tape.
- Does your community have park restrooms or water fountains that need drained or winterized?
- Your water tower is one of your biggest assets and should be a concern during the winter months. You can vary the water level in your tank on a daily basis to keep from having major freezing problems. If your tank overflows on a regular basis, you need to correct the problem before the hard winter gets here. (A water tank can collapse with excess ice build-up. )
- Do you have an auxiliary heat source available in your well house in case power would go off for more than a couple hours?
- If you have any machinery that stays out in the weather or is in an unheated garage, be sure to check antifreeze strength, it should be down to at least -25 degrees F.
- Winterize mowers and equipment that will sit all winter. Gas stabilizer in October makes things so much easier in April.
- Check insulation and weather-stripping on all facilities in order to reduce the cost of heating those spaces.
- Inspect your facilities for small openings where mice and other small animals could find their way into the facility. In addition to the health concerns from their droppings, mice can cause a lot of damage.
- While conducting winterizing inspections, this would be a good time to check security needs for each site.
  - Secure accessways with chains and/or locks
  - Clear fences and make sure they are properly maintained
  - Close and lock gates
  - Make provisions for proper snow removal if access is needed during the winter
  - Make sure any security or freeze alarms are all operational
- Remind your seasonal customers of some winterizing tips for their home when they call in for their seasonal disconnect. (Draining of water line, *if they don't have hot water heat of course*, turn back thermostat on furnace and hot water heater.)
  - Find out an approximate return time of your seasonal customer to be verified with a phone call. Just in case of a problem you should see if they will give you a phone number so they can be contacted in case of an emergency.



## STORAGE TANK WINTER MAINTENANCE CONSIDERATIONS

By Ira Gabin, P.E., Vice President  
Dixon Engineering  
Lake Odessa, Michigan

Dealing with emergency situations is part of the job description for water system operators. Main breaks, pump failures and other assorted disasters face operators at one time or another. One of the worst situations to deal with is a frozen storage tank, both because of the immediate impact on system operation, and the potentially high cost of tank damage repair. Fortunately, freezing of tanks is rare. Ice formation in tanks can't be completely avoided, but basic operating practices will prevent tanks from freezing completely.

This past winter saw a number of tank freeze ups in and around northern Indiana. While statistically, the weather wasn't much colder than average, the winter was unusual in that the common "thawing period" of a week or more with temperatures above freezing did not occur. From December through late March, average temperatures were generally below freezing. This weather pattern compounded poor operational practices which resulted in the freeze ups.

A common misconception is that freezing is generally a problem for tanks in the far northern climates like upper Michigan. In fact, freezing of tanks in these areas seldom occurs as the operators are forced to be aware of their tank status. They can't count on a thawing period to prevent a freeze up. Instead of climate, the leading causes of tank freeze ups are a lack of circulation and operator awareness.

Ice formation occurs when water sits in a tank long enough to have heat transfer through the tank wall lower the temperature to freezing. Smaller tanks are more susceptible to freezing as their surface area to volume ratio is lower. A 100,000 gallon elevated tank has approximately 30 gallons of water stored for every square foot of surface area, while a 1,000,000 gallon elevated tank has approximately 68 gallons per square foot. The more steel surface area there is per gallon, the faster heat will transfer. The same relationship applies to pipes. A 4 inch diameter pipe has 0.62 gal/sq.ft., while a 24 inch diameter pipe has 3.75 gal/sq.ft. That is why a small pipe without circulation will freeze solid much faster than a large one. There is much less water to freeze and the heat transfer rate is much higher.

With the basic physics of freezing in mind, what steps can a system operator take to minimize ice formation and possible freezing? Groundwater systems have a major advantage as the incoming water is around 46-48 degrees and adds heat to the tank every time it is filled. As a rule of thumb, if the volume of a tank can be turned over at least every two days during the winter, freezing should not be a concern for a groundwater system. Surface water supplies have a more difficult time as for several months, they are pumping water that is 33-34 degrees and will freeze quickly if circulation is not adequate. While these systems may not be able to prevent ice formation entirely, they can prevent complete freezing of the tank by taking the following steps:

1. Adjust pump cycles as needed to ensure that water circulates frequently each day. Demands in the winter are lower, so the pump operating levels may need adjustment.

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2. Consider changing filling operations to lower demand times. This ensures most of the new warmer water enters the tank first instead of being used directly to meet system demands.
3. Consider reducing overall tank volumes. As long as the fire flow minimum storage volume is maintained, the tank volume can usually be reduced without a noticeable effect on system pressures.
4. Insulate fill pipes and use heat tape where practical. Without adequate circulation the fill pipe will freeze before the tank due to its high heat transfer rate.
5. Install temperature alarms on the fill pipe and riser. These can be tied into your control or SCADA system to warn of impending freezing.
6. Use warmer water sources where possible. If you have dual sources, try to use ground water instead of surface water during the winter.
7. If altitude valves are used on multiple tank systems, they should be serviced routinely to ensure proper operation.
8. For worst cases, consider installing a recirculation system. These are commonly found on industrial tanks that are only used for fire protection. A new municipal tank built for future service demands could also temporarily have this problem as can school water supply systems. Recirculation systems are effective, but require close monitoring to ensure they work properly.

Most importantly, be sure that your control system provides a continuous reading of tank levels. The old fashioned circular chart recorders work fine as do the more modern computerized telemetry. Paying close attention to this data will help to identify circulation concerns, leaving you with one less emergency situation to worry about.

## DRINKING WATER GUIDANCE MANUAL

Now Available On-Line

If you were not on the list to receive a copy of the Drinking Water Guidance Manual, it is now available on line.

The Drinking Water Guidance Manual was written as a cooperative effort between Indiana Department of Environmental Management, Indiana Section of American Water Works Association, and Indiana Rural Water Association. The goal of the Manual – as the name would imply – is to provide guidance on the various aspects of operating small to medium community or nontransient noncommunity water systems serving 10,000 persons or less. There is, however, valuable information in the Manual for water systems of all sizes.

You may download a copy of either the Community version or the Nontransient Noncommunity version from either IDEM's website at <http://www.in.gov/idem/water/dwb/constpercapdev/mancomm.html>, Indiana Section AWWA's website at [www.inawwa.org](http://www.inawwa.org), or Indiana Rural Water Association's website at [www.indianaruralwater.org](http://www.indianaruralwater.org).

For additional information, please contact either Mary Hollingsworth at IDEM (317-308-3331) or Odetta Cadwell at IRWA (317-402-7349).

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### PRESS RELEASE

September 26, 2003

#### NAPCA SEE PROGRAM PROVIDES JOB OPPORTUNITY FOR PEOPLE AGE 55 AND OVER!

Contact Person: Mei Lin, Regional Director  
Phone: 312-913-0979  
Fax: 312-913-0982

"We provide opportunities for people age 55 and up to use their talents and skills, in creative and meaningful jobs." stated Mei Syun Lin. Project Director of the Region V NAPCA Senior Environmental Employment Program.

Located in the heart of downtown Chicago, is NAPCA (National Asian Pacific Center on Aging) Region V office. The Chicago office is a branch office of a national organization whose headquarters are in Seattle, Washington. Mei Lin, as regional project director, is responsible for establishing and managing the Chicago office to handle the Senior Environmental Employment (SEE) program. The SEE program which draws upon the vast pool of talent and experienced individuals 55 years and older to the missions of the Environmental Protection Agency. The National Asian Pacific Center on Aging is one of the six non-profit organizations to be awarded cooperative agreement by the United States Environmental Protection Agency to manage the SEE program. In Region V, the grants covers regional EPA concerns in Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin.

"It is an outstanding program for the seniors who want to be actively involved." stated Lin. NAPCA Region V currently has several position(s) openings at Indiana Department of Environmental Management in Indianapolis, Indiana. These assignments are to assist the operation of Safe Drinking Water Program and Office of Land Quality by providing assistance in drinking water rule implementation, compliance and enforcement, inspections, database management, outreach and planning, technical implementation of Indiana's Risk Integrated System of Closure polices. To qualify for participation in the program, the applicant must be at least 55 years old (**PL 98-313**) and meet the requirements of the assignment description.

"Most of seniors who work 40 hours per week will receive health insurance as part of their benefit package." which Lin states is a major incentive for those in the program. Lin participates in the interview process with the EPA. Once the final selection is made, NAPCA provides new Enrollee orientation and acts in an administrative capacity, overseeing the Enrollees' program needs. Lin encourages seniors who have computer skills and technical background should apply. Resume and cover letter should mail to NAPCA SEE Program, 122 South Michigan Ave., Suite 1414, Chicago, IL 60603. Phone # (312)-913-0979, Fax # (312)-913-0982.

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### POSITION AVAILABLE

Position available for Seniors, 55 and over as an Environmental Engineer/Scientist to support IDEM Drinking Water Program. Looking for a challenge and like working with people? National Asian Pacific Center on Aging (NAPCA) needs seniors to assist in implementing safe drinking water program in Indiana. Activities include drinking water rule implementation, compliance and enforcement, inspections, database management, outreach, and planning. Possessing a degree in Science, Math, Physics, Engineering, or Geology preferred, related life experience considered. Valid Drivers license required, computer skills a plus. Full-Time \$11.81/hr or \$9.56/hr plus Benefits depend on background. Send Resume and Cover letter to NAPCA SEE Program, 122 South Michigan, #1414, Chicago, Illinois 60603. Phone 312/913-0979; Fax 312/913-0982.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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#### GROUND WATER TASK FORCE

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#### GROUND WATER QUALITY STANDARDS

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#### PRIVATE WELL COMPLAINTS/ GROUND WATER QUALITY CONCERNS

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### OTHER NUMBERS

EPA Safe Drinking Water Hotline  
800/426-4791

[www.epa.gov/safewater](http://www.epa.gov/safewater)

IDEM Environmental Helpline  
800/451-6027

DNR  
877/928-3755

DNR Water Well Record on line web site:  
[www.state.in.us/dnr/water/waterwell](http://www.state.in.us/dnr/water/waterwell)

All phone numbers are area code 317  
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Indiana Rural Water Association  
announces its website:  
[www.indianaruralwater.org](http://www.indianaruralwater.org)



#### IDEM Drinking Water

[www.in.gov/idem/water/dwb/index.html](http://www.in.gov/idem/water/dwb/index.html)

#### Wastewater Operator Assistance and Pretreatment Section

[www.in.gov/idem/water/compbr/oaps/wwcert.html](http://www.in.gov/idem/water/compbr/oaps/wwcert.html)

#### IDEM Wastewater

[www.in.gov/idem/water/compbr/compeval/index.html](http://www.in.gov/idem/water/compbr/compeval/index.html)





## AMERICAN WATER WORKS ASSOCIATION INDIVIDUAL MEMBERSHIP APPLICATION

FAX (303) 347-0804 Phone 1-800-926-7337/303-794-7711  
6666 W. Quincy Avenue/Denver, CO 80235  
www.awwa.org

For AWWA Use Only

Have you ever been a member of AWWA? \_\_\_\_\_  
 When? \_\_\_\_\_  
 Member No. \_\_\_\_\_

Please furnish your preferred mailing address below (Indicate whether business or home):  Business  Home

Mr.  
 Mrs.  
 Ms.  
 Dr.

First Name	Middle Initial	Last Name	Suffix
Exact Street Address		(P.O. Box or Mail Stop)	
City	State or Province	Zip or Postal Code	
Title			
Company Name		E-mail Address	
Home Phone	Business Phone	Business Fax	
Applicant's Signature			Date
Signature of AWWA Member Endorsing Application (Optional)			Endorsing Member Number

Is your company a current member of AWWA? \_\_\_\_\_ If not, please provide your company's main address if different from above:

Company Name	Main Business Address	Zip or Postal Code
City	State/Province	Zip or Postal Code

<b>ANNUAL DUES:</b>	<b>\$114-Active Grade Code 02</b>	<b>\$57-Operations/Administrative Grade Code 06</b>	<b>\$36-Student Grade Code 14</b>	<b>\$150-International Grade Code 03</b>
ANNUAL DUES	\$ _____	(For operator or administrative level personnel or employees of small utilities. Will not receive Journal/AWWA.)		
Section Assessment*	_____	Make check payable to AWWA (U.S. funds only).	<b>PREPAYMENT OF ONE YEAR'S DUES REQUIRED</b> No action can be taken on this application until payment is received.	
Multi-Section Option†	_____	<input type="checkbox"/> MasterCard <input type="checkbox"/> VISA <input type="checkbox"/> Send Invoice <input type="checkbox"/> American Express	Dues amount guaranteed through December 31, 2003.	
TOTAL DUE	\$ _____	Card No. _____	Exp. Date _____	

\*Section Assessment - AWWA has 43 local sections. Your section is determined by your address. However, some sections require additional annual fees to better serve their local members. Section assessments are mandatory for applicants with addresses as shown:

Please find your Section Assessment fee in the table at right and enter the total on the line reading "Section Assessment."

ADDRESS	ACTIVE (02)	OPERATIONS (06)	STUDENT (14)
Alabama, Mississippi	\$20	\$20	-
Alberta, Manitoba, N.W. Territories, Saskatchewan	\$10	\$10	-
California, Nevada	\$17	-	-
Connecticut	\$10	-	-
Florida, Minnesota, South Carolina, Texas	\$10	\$10	-
Georgia	\$28	\$28	\$5
Illinois	\$9	\$5	-
Iowa, Idaho (western), Oregon, Washington	\$11	-	-
Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	\$50	\$20	-
Missouri	\$7	\$3	-
New Jersey	\$15	\$10	-
New York	\$15	\$8	-
Pennsylvania	\$15	\$5	-

**ALL APPLICANTS SHOULD COMPLETE**

**BUSINESS AND INDUSTRY**

A. Public Water Supply Utility—Municipally Owned  
 B. Public Water Supply Utility—Investor Owned  
 C. Governmental—Federal, State, Local  
 D. Consultant  
 E. Contractor  
 F. Private Industrial Systems or Water Wholesaler  
 G. Manufacturer of Equipment & Supplies including Representatives  
 H. Distributors of Equipment & Supplies including Representatives  
 I. Educational Institutions, Faculty and Students, Libraries, and Other Related Organizations  
 J. Fully Retired  
 K. Research Labs  
 L. Unreported

**CHECK FIELD(S) SERVED:**

5  Water Supply Only    7  Wastewater Only  
 9  Both    3  Other

**JOB TITLE**

A. Executive—Gen'l Mgr., Commissioner, Board Member, City Mgr., Mayor, President, Vice-President, Owner, Partner, Director, etc.  
 B. Management—Division Head, Section Head, Mgr., Chief Engineer, Comptroller, etc.  
 C. Engineering/non-managerial—Civil Engr., Mech. Engr., Envr. Engr., Planning Mgr., Field Engr., Systems Designer, etc.  
 D. Scientific/non-managerial—Chemist, Biologist, Biophysicist, Researcher, Analyst, etc.  
 E. Purchasing—Purchasing Agent, Procurement Specialist, Buyer, etc.  
 F. Operations—Foreman, Operator, Maintenance, Crewman, Service Rep., etc.  
 G. Marketing & Sales—non-managerial—Mkt. Analyst, Mkt. Rep., Salesman, Sales Rep., etc.  
 H. Other (describe) \_\_\_\_\_

I. Professorial - Teacher, Educator, etc.

Completion of this information is optional.

AWWA maintains profile data for use in developing additional programs and services to meet the diverse needs of our members.

Birth Date \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Race/Ethnic Identification: (check one)

1 American Indian/Alaskan Native  
 2 Asian/Pacific-Islander  
 3 African American  
 4 Hispanic  
 5 White (Non-Hispanic)  
 6 Other

Gender: (check one)

F Female     M Male

† **MULTI-SECTION MEMBERSHIP OPTION** In addition to your own section membership, you may also join other AWWA section(s). This allows you to receive information on events and activities from other local sections. If this is of interest to you, call 1-800-926-7337 for multi-section information and fees.

The following information is for USPS Standard class mailing requirements ONLY: In some AWWA sections, a portion of the section allotment equal to 50 percent or more of the domestic subscription rate charged for the section periodical will be allocated toward a subscription of that periodical. Dues allocated for each publication members receive: Journal \$30 MainStream \$6 Optflow \$8

Small Systems Committee  
INDIANA SECTION AWWA

2984 Crestwood Lane  
Danville, IN 46122-8500

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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.

**October 21, 2003** - AWWA Chlorination/Dechlorination Seminar at Ivy Tech in Indianapolis. For further information contact: Lori Weiss; 317-469-0790, Ext. 112

**October 29, 2003** - Drinking Water Guidance Manual Workshop - Greentown Municipal Water; Greentown, IN Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**November 4, 2003** - Drinking Water Guidance Manual Workshop - Casa del Roma; Valparaiso, IN Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**November 5, 2003** - Drinking Water Guidance Manual Workshop - Aboite Community Building; Fort Wayne, IN Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**November 12, 2003** - Drinking Water Guidance Manual Workshop - Golay Center; Cambridge City, IN Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**November 13, 2003** - Drinking Water Guidance Manual Workshop - Nappanee West Park Pavilion; Nappanee, IN Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**November 14, 2003** - Water Operator Certification Examination. Contact: Operator Certification Assistance Line at 317-308-3307. All applications must be postmarked no later than midnight September 30, 2003.

**November 17-19, 2003** - Indiana Water Environmental Association (IWEA) Annual Conference - Marriott Hotel; 21st and Shadeland Avenue; Indianapolis, IN. Contact: Gary Price; 317-685-0009

**November 17-19, 2003** - Hoosier Safety Council at Indianapolis. Contact: John Robison; 800-537-5346

**December 1-3, 2003** - Indiana Rural Water Association - Water Institute; Holiday Inn; Columbus, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Miller at 812-988-6631; or visit the IRWA website - [www.indianaruralwater.org](http://www.indianaruralwater.org)

**December 16, 2003** - Deadline for County Comprehensive Emergency Plans. For more information contact your county's Emergency Management Agency.

**December 31, 2003** - Deadline for Vulnerability Assessments and Emergency Response Planning submittals for water systems of more than 50,000 served, but less than 100,000 served.

**January 1, 2004** - Surface water systems, GWUDI serving <10,000 people, and all groundwater systems must comply with the Stage 1 DBPR by January 1, 2004

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.