



The Source

The Newsletter of the Water Quality Association of Wisconsin

33 E. Main Street, Suite 701, Madison, WI 53703
Phone: (608) 210 - 3303 Fax: (608) 244-9030

Volume 3, 2017

President's Column

Farewell, but not good-bye!

At our most recent board meeting, I made a joke in saying that I couldn't wait until my term as your President was completed. Well.....I guess that was partly true, partly false.

The comment was partly true, but not for the likely reason you are thinking right now. The reason why I really can hardly wait for my term to end is that we'll have a new President with new perspectives, ideas and the drive to continue moving this organization forward in a positive way! Sam (Baron) is that man.

I have confidence in his knowledge, abilities and initiative. I'm looking forward to his leadership over the next couple of years!

My comment was partly false, too. Serving as your President has been very gratifying and rewarding. I have no reason to be eager for my term to end. However, my hope is that our association has benefited in some way during my term. I thank you for having confidence in me and allowing me to serve.

As Ralph W. Emerson said: "Life is a journey, not a destination."

I am not leaving, but am saying farewell as your President. Thank you for your part in my journey- and allowing me to be a part of yours'.

See you next month at the Lake Lawn Lodge in Delavan for the WQAW Convention!



Don Meredith
WQAW President
Meredith's Culligan Water
(262) 878- 1161
DonM@MeredithCulliganWater.com

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E-Newsletter

- Save a tree and subscribe to an electronic copy of The Source newsletter. E-newsletter will be delivered to your email address and saves the WQAW paper and postage
- To receive The Source newsletter via email please email:
cheryl@capgroupwi.com

Waukesha Water

By David Loveday, WQA

The Water Quality Association, Water Quality Association Wisconsin and local Waukesha dealers have been in discussion with local officials in Waukesha regarding the city's diversion project to receive drinking water from Lake Michigan.

Waukesha currently uses the St. Peter sandstone aquifer as its water supply (groundwater). The city has received approval from the Conference of Great Lakes and St. Lawrence Governors & Premiers to purchase water from Oak Creek who in turn draws water from Lake Michigan. Now, Waukesha needs to receive a permit from the Wisconsin Department of Natural Resources (DNR). Waukesha has said the plan is to start receiving water from Oak Creek and stop taking water from the aquifer in 2020. This project will require a reduction in chloride discharge and a hike in water rates.



To continue to stay informed as new information is released, WQA and WQAW members have formed a Waukesha Soft Water Consortium. Recently, Madison officials briefed local officials on the completed **Reduction of Effluent Chloride study** and the benefits of optimizing of water softeners. WQA, WQAW and local dealers are currently developing an optimization program. A two stage optimization program is being looked at. The first phase would start now and the second would start once Lake Michigan water is delivered.

A targeted public education campaign is also being developed to help residents of Waukesha navigate the coming challenges and make the right decisions for themselves and their community.

Among the key messages of this awareness campaign:

- Lake Michigan water will not be available until, at the earliest, 2020. In the meantime, water softeners offer an effective and proven method to reduce dangerous radium levels found in the current water source. The suggestion that water softening can or should be abandoned will be squarely countered.
- Hardness levels will remain high for Waukesha residents. This will mean risk to pipes, appliances and clothing. Many independent studies show the benefits of softening and its cost effectiveness. Homeowners will be educated on these realities, including clear explanations of the damage that hard water can cause to costly appliances such as washing machines and dish washers. An emphasis will also be placed on the environmental benefits of softening -- such as easing the pressure on landfills when appliances last longer -- which will appeal to those particularly concerned with stewardship of their surroundings.
- Certified equipment and trained professionals are available to help homeowners confidently make intelligent purchasing decisions and to maintain their softening equipment. Homeowners should know the full reality of every option before them and understand the realities of "alternative" devices.

One requirement of the approval of a lake water supply requires Waukesha to return the volume of water purchased to the lake as fully treated wastewater. Softeners can play a key role in meeting this condition.

Once the education and optimization plan is completed and presented to local officials it will also be presented to WQAW members.

WQAW Convention - Sept 15 & 16 - Lake Lawn

Make your plans now to attend the 2017 WQAW Convention on September 15 & 16th at Lake Lawn Resort in beautiful Delevan, WI.

Early Bird Registration - Register by AUGUST 15th to automatically be entered into the Early Bird Drawing for a free night at Lake Lawn Resort!



WQAW Golf Tournament—NEW FORMAT!

Friday, September 15th at Majestic Oaks Golf Course. This year the outing will be playing a 4-Some Handicapped Scramble - **anyone can win!!** Form your own group or sign-up individually and we'll team you up! **Hole-in-One, sponsored by Hellenbrand, has top prize of \$10,000!** Outing prizes will be given for top score and hole challenges.



Wanted: Golf Hole Sponsors and Prizes - Sponsor a hole challenge during the outing or donate items or money for golf prizes! Please contact Cheryl at: Cheryl@Capgroupwi.com or 608.210.3303.

Lake Lawn Reservations - Call now to reserve your room at Lake Lawn Resort by **August 15th**. After the 15th, the room rate and available rooms are not guaranteed. Reserve a bed for your head by calling... (262) 728-7950.
King rooms = \$119; Queen Rooms = \$139; Loft Suite = \$179



**LAKE LAWN
RESORT™**



Lifetime Achievement Award - William “Bill” and Ken Gibson, formerly of Gibson’s WaterCare will be honored with the 2017 WQAW Lifetime Achievement Award.

Photo is Ken Gibson, Gibby the mascot, and Bill Gibson.

Table Top Exhibits - Showcase your company’s products and services at the WQAW Convention with a table top exhibit. See the Table Top Exhibit form for more information.



THREE Hours of Education - Receive three hours of education on Sat., September 16th from 8:30—Noon. A total of 3 credits will be available for your State of WI license and .3 credits for WQA certification. See the Schedule of Events on page 7 for seminar descriptions.

WQAW Membership Meeting - 8:00am, Sat., September 16th. Stay current with YOUR association and water treatment industry news during the WQAW’s annual Membership Meeting. Your vote is also needed for WQAW Officers and Directors.

Don’t Delay - Make Your Arrangements TODAY! - More details and registration forms are found through this newsletter.

Disinfection Procedure

Reprinted with permission: DNR.Wi.gov

New wells and wells that produce bacteriologically unsafe water should be disinfected according to the following instructions:

1. Close gate valves so the chlorine solution will bypass your water softener and any other water treatment equipment. A strong chlorine solution can damage this equipment. You can disinfect these devices separately using the manufacturer's instructions.
2. Calculate the volume of water standing within your well according to the following:
 - Volume of water standing within a well = length of water column multiplied by the 'Volume factor' for your well. ('Volume factors' are listed below for giving well diameters).
 - **Note:** Length of standing water column = Total well depth minus depth to the static water level.
3. Using water from a known safe and uncontaminated source, add a volume of water—at least as great as the volume of water standing in the well—into clean new garbage cans or other comparable containers.
4. Using the table below calculate the volume of bleach (sodium hypochlorite) necessary to produce the desired chlorine concentrate to disinfect the well and water system. Generally, for most water systems, a concentration of anywhere from 100 to 300 parts per million (ppm) will be adequate to disinfect the well and the plumbing system. (Most households bleaches contain between 5% and 6% available chlorine.) The bleach must be free of additives like 'fresh scent', algaecides or thickening agents that can chemically contaminate your well.

NOTE: For several bacterial infestations perhaps involving a biofilm, like an iron or sulfate reducing bacterial slime, more aggressive approaches may be necessary. These approaches include a more concentrated chlorine solution, measures to control the pH of the solution, or products. Sometimes it is necessary to scrub the inside of the well with a chimney brush to help remove the slime or mineral buildup that can harbor the bacteria. Contact a Licensed Well Driller or Pump Installer for these more difficult situations.
5. Using this water and the calculated volume of bleach, prepare the chlorine solutions that equals or exceeds the volume of water standing within the well. Add the bleach to the water-filled containers at the site upwind and close to the well so you won't have to carry the solution too far.
6. Remove your well cap or seal and add about a half-cut to a cup of department-approved chlorine granules or tablets (calcium hypochlorite) down the well. (These products must also be free of additives.) The granules will disinfect the column of water standing within the well and prevent bacteria from being forced out into the aquifer when you add the large volume of liquid chlorine solution. (**Caution:** Do not use granular or tablet chlorine products in the arsenic problem areas of northeastern Wisconsin.)
7. Turn off the electrical power and, while wearing eye protection, rubber gloves and rubber-soled shoes, remove the well cap. Make sure you examine pump wires for chafed insulation or missing wire nuts. Have any necessary repairs made to the electrical system.
8. Pour or siphon the chlorine solution down the well, as rapidly as possible, in one continuous pour.

'Volume factors' - based on well diameter:

- 2" diameter = 3/4 quart water for each foot of water standing in the well.
- 4" diameter = 1/2 gallon water for each foot of water standing in the well.
- 5" diameter = 1 gallon water for each foot of water standing in the well.
- 6" diameter = 1.5 gallons water for each foot of water standing in the well.
- 8" diameter = 2.5 gallons of water for each foot of water standing in the well.
- 10" diameter = 4 gallons of water for each foot of water standing in the well.

Example: Calculate the volume of water standing within a 6-inch well, 80 feet deep with a static water level of 15 feet.

First, there are $(80' - 15') = 65$ feet of water standing within the well.

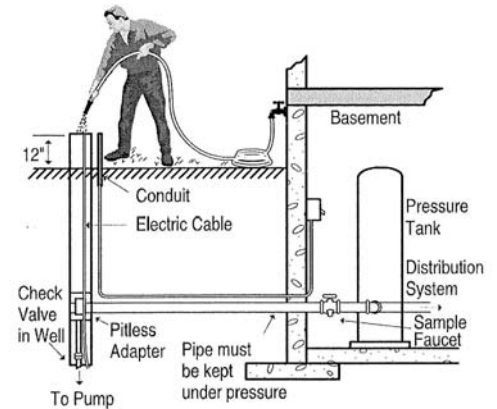
The volume of the water standing within this well will then be:

$$\text{'Volume factor' x (80' - 15')} \rightarrow [1.5 \text{ gal/ft x } 65 \text{ ft}] = 97.5 \text{ gallons of water standing within well.}$$

Volume of Bleach to Water Mix Ratio	Approx. Chlorine Concentration
3/4 quart bleach per 100 gallons of water	100 ppm
1.5 quarts bleach per 100 gallons of water	200 ppm
2 quarts of bleach per 100 gallons of water	300 ppm

Disinfection Procedure - continued

9. Connect a new clean hose to a nearby hose bib (faucet) and turn the electrical power back on. Turn the water on and recirculate the chlorinated solution through the hose and back to the well making sure you rinse the entire inside surface of the casing all the way down to the water table.
10. Again turn off the electrical power and drain both the pressure tank and the water heater. (Doing this will subsequently allow the water from these tanks to be totally replaced by the chlorinated solution.)
11. Turn the electrical power to the pump back on and let the well water refill the pressure tank and water heater.
12. Open every one of your water faucets throughout your plumbing system, both inside and outside, until you can smell the chlorine solution at each one. **Note:** For cartridge water filters, replace the cartridge after you have completed the chlorination process and complete flushed the system.
13. Turn all water taps off completely and allow the chlorine solution to remain in your well and plumbing systems at least overnight, but preferably for 24 hours.
14. Flush the chlorine solution from the entire water system by using a hose connected to one of your outside faucets. Run the solution to a location away from your lawn and landscaping because it can damage them. Also make sure the chlorine solution does not get into a stream, river or lake. Chlorine, even in a small doses, can kill aquatic life. Do not run the chlorinated solution into your septic system because it make kill the bacteria that biologically breakdown the waste. The extra volume of the solution can also hydraulically overload the system. The flushing process can take a long time. Keep running the water until you can no longer notice a smell of chlorine from any of your faucets or taps.
15. After the chlorine solution has been completely flushed from the system, wait about a week and resample your water to make sure it is bacteriologically safe to drink.



Some General DO's and DON'Ts:

DO check the chlorine products before you use them. Chlorine concentrations vary from manufacturer to manufacturer and decrease in concentration with age. Some products contain inappropriate additives. It is also a good idea to confirm the concentration of the chlorine in the well using a test kit. This process will assure that you are adding enough, but not too much bleach solution into the well. You may wish to confirm the pH should not exceed about 7.5.

DO contact a Licensed Well Driller or Pump Installer for guidance if you do not feel confident you can safely undertake this procedure or for a situation involving a more difficult case of bacterial infestation or/ or slime buildup. The professional contactor may wish to optimize the chlorine solution with pH control or by adding salt in order to obtain peak germicidal action from the chlorination process.

DO sample your well water about a week following the chlorination procedure and have it tested for coliform bacterial at a certified lab. If the sample is "safe", sample your water yearly thereafter, during the early spring or late summer/early fall.

Do not chlorinate your well and water systems as part of regular maintenance protocol unless you have recurring or persistent problems. Doing so can, in some cases, plug up the pump with sediment or damage the pump or components of the water system.

Do not use more bleach than necessary for the disinfection procedure. Doing so can raise the pH of the solution to a point where the effectiveness of the chlorination process is significantly reduced.

Do not use dry calcium hypochlorite products (granules or pellets) within the arsenic contamination areas of northeastern Wisconsin. When using a liquid bleach/water disinfection solutions in these arsenic problem areas, **do not** use a chlorine concentration greater than 100 ppm or allow the solution to remain in the well for more than 30 minutes. Doing so can trigger geochemical reactions within the bedrock aquifers that can release arsenic into your well water.

WQAW MEMBER ALERT!

THE PRODUCT NAMED “**MR. DRAIN**” CAN NO LONGER BE INSTALLED
IN WISCONSIN!

The product approval was not renewed, so until further notice, that product should not be sold to our members or installed by our members in the State of Wisconsin. Other similar products are available that comply with state requirements and are approved for use.

ALL DEVICES MUST COMPLY WITH ASME CODE: A112.1.3

BE SURE TO CHECK WITH YOUR VENDORS BEFORE USING ANY PRODUCT!

WQAW Convention Education



Receive three continuing education credits for your State of WI plumbing license and/or you WQA Certifications on Saturday, September 16th at Lake Lawn in Delavan, WI. Saturday only registration is only \$75 for WQAW members.

- 8:30 am – 9:30 am **Problem Water** – presented by **Tate Burkhardt**, Better Water Industries. Applications, Pitfalls, & Questions! Approaching problem water by asking the right questions, getting the correct information, and many pitfalls to avoid.
- 9:30 am – 10:30 am **Alternative Binding** – presented by **Shawn Smith**, American Copper and Brass. Watch for full description on WQAW emails or www.WQAW.com
- 11:00 am – Noon **Commercial Water Treatment Application; Sizing & Design Issues** – presented by **Alan Mast**, Hellenbrand and Mast Water Technology. Learn how to size updated plumbing design parameters, when bigger (equipment) is not better and review of State of WI’s new facility requirements.

Did You Know?



Scott Chiples, Culligan of LaCrosse, and WQAW Board Member, is on the Plumbing Code Advisory Committee? The committee was created under Wisconsin Law to advise the Dept. of Safety & Professional Services on plumbing standards as set forth in Wisconsin Administrative Code SPS 380-387.

If you have concerns/issues about the plumbing code, please contact Scott at: scott.chiples@culliganlacrosse.com.



Water Quality Association

of Wisconsin

2017 WQAW Convention

★ Schedule of Events ★

★ Online Registration is now available at: <http://www.wqaw.com/Events/> ★

Friday, September 15, 2017

- 10:00 am..... **WQAW Golf Tournament at Majestic Oaks Golf Course**
- 3:00 pm..... **Registration Desk** - Opens in the Great Room at Lake Lawn
- 3:00 pm – 5:00 pm..... **Table Top Exhibit Set-Up**
- 5:00 pm – 6:30 pm..... **Table Top Exhibits Open and Reception**
- 6:30 pm..... **Banquet and Awards Ceremony**



Saturday, September 16, 2017

- 7:00 am – 9:30 am..... **Breakfast Buffet** for registered attendees
- 8:00 am – 8:30 am..... **WQAW Membership Meeting** – Great Room at Lake Lawn Resort
- 8:30 am – 9:30 am..... **Problem Water – presented by Tate Burkhardt, Better Water Industries.** Applications, Pitfalls, & Questions! Approaching problem water by asking the right questions, getting the correct information, and many pitfalls to avoid.
- 9:30 am – 10:30 am..... **Alternative Binding – presented by Shawn Smith, American Copper and Brass.**
- 10:30 – 11:00 am..... Break – Extra time to check out of your room.
- 11:00 am – Noon..... **Commercial Water Treatment Application; Sizing & Design Issues – presented by Alan Mast, Hellenbrand and Mast Water Technology.** Learn how to size updated plumbing design parameters, when bigger (equipment) is not better and review of State of WI's new facility requirements.
- Noon..... **Program Concludes**
- 12:30 pm – 3:30 pm..... **WQA Certification Exam** (pre-registration with WQA is required for exams)

*Seminars will offer continuing education credits for State of Wisconsin and WQA certification.



L A K E L A W N
RESORT™

★ Hotel Information ★

Lake Lawn Resort

2400 East Geneva Street, Delavan, WI 53115

Ph: (262) 728-7950 <https://www.lakelawnresort.com/>

Lodge King Room	\$119
Lodge Loft Room	\$179
Lodge Queen Room	\$139

Room block available until: **August 15, 2017**



Water Quality Association *of Wisconsin*

★2017 Official Call & Notice★

According to the WQAW By-Laws, there shall be an annual meeting of the association each year. This year the annual Membership Meeting will be **8:00 am on Saturday, September 16, 2017 at Lake Lawn Resort** in Delavan, WI.

The WQAW Board of Directors recommends the following nominees to be elected to serve on the WQAW Board of Directors, serving a three-year term. The official election will take place during the Membership Meeting.

If you are unable to attend the meeting, please take a moment to complete this **Proxy Ballot** and return to: **F: (608) 244-9030 or email: Cheryl@CapGroupwi.com by NOON on WEDNESDAY, SEPTEMBER 13, 2017.**

★ **Nominated to serve 3 year Director’s term for 2017 – 2019:**

- Dan Meier**, Culligan of Rock Co

★ **Nominated to serve 2 year Officer’s term for 2017 – 2018:**

- Sam Baron**, Maher Water Corporation, for **President**
- Erik Koglin**, Water-Right Inc., for **Vice President**
- Scott Chiples**, Culligan of LaCrosse, for **Secretary/Treasurer**
- SELECT ALL**

Member Name _____ (one ballot per member)
(Your name here)

★ **Return this form to (608) 244-9030 or Cheryl@CapGroupWI.com by NOON on WEDNESDAY, SEPTEMBER 13th ★**

REMINDERS

- ★ **WQAW Golf Tournament** at Majestic Pines Golf Course on Friday, Sept. 15th. . Please sign up by Friday, Sept. 8th, by returning your registration form or by calling Cheryl at (608) 210 - 3303
- ★ **Reserve your hotel room for the WQAW Convention.** Rooms are being held at Lake Lawn Resort in Delavan. Request the Water Quality Association of WI discount rate. Call Lake Lawn Resort at: **(262) 728-7950** for reservations by August 15th!



Water Quality Association of Wisconsin

33 E. Main Street, Suite 701 ♦ Madison, WI 53703

Phone: (608) 210 - 3303 ♦ Email: cheryl@CapGroupWI.com ♦ Website: www.wqaw.com



Water Quality Association of Wisconsin

Annual Convention

September 15 & 16, 2017
Lake Lawn Resort, Delavan, WI

★ Convention Registration Form ★

Name _____

Company _____

Address _____

City, State Zip _____

Phone _____ Fax _____

Email (for confirmations) _____

Spouse (if attending) _____

Sponsorships Available!
 Add a sponsorship for additional company exposure!
 Check below to add a sponsorship.

Golf Hole Sponsorship \$100

Golf Award Sponsorship \$100

Convention Door Prize _____ List donation

Please see the **Exhibit** form for complete sponsorship & table top exhibit information.

Early Bird Drawing thru August 15th! Everyone registered by August 15th will automatically be entered into a drawing to win a one night stay at Lake Lawn Resort.

<div style="border: 2px solid red; border-radius: 50%; padding: 10px; display: inline-block;"> <p style="margin: 0;">2017</p> <p style="margin: 0;">WQAW</p> <p style="margin: 0;">Convention</p> <p style="margin: 0;">Sept. 15 & 16, 2017</p> </div>	Complete Package <small>Includes all events except golf. Friday reception & banquet, Table Top Exhibits, Saturday seminars & breakfast.</small>	Friday Banquet <small>Friday evening reception & banquet, and Table Top Exhibits.</small>	Saturday Package <small>Saturday seminars & breakfast.</small>	Spouse Package <small>Includes Friday reception & banquet, Table Top Exhibits & Sat. breakfast.</small>	Golf Tournament <small>Friday, Sept. 16, 2017. Majestic Oaks Golf Course Delavan, WI Tee times will begin at 10:00 am 18 Holes, cart & box lunch.</small>	TOTAL
First and Last Name. <i>Please include company name if different from above.</i> Please print legibly.	Member \$150 Non Member \$190	Member \$75 Kids under 12 \$35 Non Member \$100	Member \$75 Non Member \$100	Member \$100 Non Member \$150	\$95	
1.						
2.						
3.						
4.						
5.						

Return Registration Form by: Friday, September 1, 2017

- See Schedule of Events for Hotel Information.
- Payments must be made at time of registration.
 Water Quality Association of WI
 33 E. Main Street, Suite 701
 Madison, WI 53703
 F: (608) 244-9030
- Online registration is available for credit card orders.
<http://www.WQAW.com/events/>
- Questions? Contact Cheryl at: (608) 210 - 3303
Cheryl@CapGroupWI.com

CERTIFICATION EXAM REGISTRATION FORM

WATER QUALITY ASSOCIATION OF WISCONSIN (WQAW)

LAKE LAWN RESORT
2400 E. GENEVA ST.
LAKE DELEVAN, WI 53115 UNITED STATES



EXAM DATE TIME:

Saturday, September 16, 2017 | 12:30–3:30 p.m. (CT)

INFORMATION

WQA MEMBER NUMBER

MALE CONTACT FIRST NAME LAST NAME
 FEMALE

COMPANY NAME

MAILING ADDRESS

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY

COMPANY TELEPHONE

COMPANY FACSIMILE

EMAIL

Call for discount information if five or more from the same company attend the same testing session.

METHOD OF PAYMENT

Check: (payable to WQA Aquatech USA) Check # _____

Charge: MasterCard VISA AMEX Discover

CHECK NUMBER

CREDIT CARD NUMBER EXP. DATE SECURITY CODE

CARDHOLDER'S NAME

SIGNATURE

EXAM REGISTRATION FEES

(Select all that apply.)

BASIC EXAMS	(MEMBER/NONMEMBER)
<input type="checkbox"/> Certified Water Specialist (CWS)	\$135 / \$270
<input type="checkbox"/> Certified Installer (CI)	\$135 / \$270
<input type="checkbox"/> Certified Water Treatment Representative (CWR)	\$135 / \$270
<input type="checkbox"/> Certified Service Technician (CST)	\$135 / \$270
<input type="checkbox"/> Master Water Specialist (MWS)	\$135 / \$270

SUBTOTAL (U.S.) \$ _____

GRAND TOTAL (U.S.) \$ _____

NOTE:

Prerequisite Information

Appropriate Modular Education Program (MEP) paths must be completed prior to exam date. See wqa.org (>Programs and Services > Professional Certification > Becoming Certified) for more information.

Preregistration Deadline

A copy of this form plus payment must be received by six business days prior to the testing session for all exams. Registrations received after the preregistration deadlines are subject to the on-site registration fee.

On-Site Registration

An on-site registration fee of \$25.00 is charged for on-site registrations AND all registrations received after the preregistration deadline. Fee must be paid before exam scores are released. WQA DOES NOT GUARANTEE that persons registered on-site can be accommodated for testing.

Refunds

Full refunds are made if the examinee cancels the exam registration by six business days prior to the exam session. NO REFUNDS are given if cancellation is received AFTER the cancellation deadline. NO REFUNDS are given for "NO SHOWS" who don't appear for preregistered exams.

MAIL, FAX, OR EMAIL COMPLETED FORM TO:

Water Quality Association • Attn: Certification Department
4151 Naperville Road • Lisle, IL 60532-3696 USA
Phone: 630-505-0160 • Fax: 630-505-9637
Email: dleblanc@wqa.org

BE SURE TO MAKE A COPY FOR YOUR FILES.



Water Quality Association of Wisconsin

Annual Convention

September 15 & 16, 2017

Lake Lawn Resort, Delavan, WI

★ Table Top Exhibit Form ★

Table Top Display

• **Members = \$150.00**

• **Non-Members = \$250.00**

Reserve space by: Friday, September 1, 2017

Name _____

Company (as it should appear in program) _____

Address _____

City, State Zip _____

Phone _____ Fax _____

Email (for confirmations) _____

Are you a
WQAW
Member?

Yes

No

General Information

Set-Up: 3pm – 5pm Friday, September 15, 2017

Exhibit: 5pm – 7pm and during the reception on
Friday, September 15, 2017

SPONSORSHIP PACKAGE! < SAVINGS

1 Table Top Display

1 Golf Tournament Hole Sponsorship

2 People for Friday evening banquet

\$250 per WQAW Member or \$350 for Non-Members

The Fine Print

- Table top exhibits include an 8' skirted table and chairs. You may bring equipment, such as softeners, to display in your area.
- Exhibit booth price includes exhibit space plus one Friday evening banquet ticket.

➤ **Brief description of your company** (to be used in brochure):

➤ Do you need **electricity** for your table top?

Yes

No

Additional Sponsorships Available!

If you are interested in providing additional WQAW support with a sponsorship, please check below and WQAW will invoice you.

Golf Hole Sponsorship \$100

Golf Award Sponsor \$100

Convention Door Prize _____

List donation

We are unable to participate
this year but would like to
donate to WQAW \$ _____

Return Registration Form by Friday, September 1, 2017.

➤ **Payments** must be made at time of registration.

Water Quality Association of WI
33 E. Main Street, Suite 701
Madison, WI 53703

➤ **Hotel:** See the **Schedule of Events** for hotel info.

➤ **Questions?** Contact Cheryl Lytle at:

Ph: (608) 210-3303

Fx: (608) 244-9030

Email: Cheryl@CapGroupWI.com

Water Quality Association of WI presents Restricted Appliance Plumbing Exam “Cram Session”

Wednesday, October 25, 2017 in Johnson Creek, WI.



On Wednesday, October 25, 2017, the WQAW will be holding a “Cram Session” for anyone registered to take the Restricted Appliance Plumbing exam. The instructor is **Jim Davis**, who is a retired State of Wisconsin Plumbing Instructor. He will be teaching an 8+ hours focused session with information designed to specifically prepare you for the exam. Ultimately, we intend to assist you and your employees to increase your chance of a passing grade.

Register your learners for this opportunity!

Registration Fees

- ◆ includes educational seminar and lunch.
- ◆ \$199 for WQAW members
- ◆ \$299 for non members

Cram Session Schedule

- 7:30 a.m. Registration
- 8:00 a.m. Restricted Appliance Plumbing Exam Review
- Noon Lunch Break – Lunch provided.
- 4:30 Seminar Concludes. Drive Safely.

Topics Reviewed

- ◆ Code Book Review -Including sections 8233, 40 and 41
- ◆ Fixture Count Review
- ◆ Definitions
- ◆ Basic Plumbing Math
- ◆ Blueprint & Drafting
- ◆ Sizing the Water Supply System
- ◆ Water Treatment Handbook
- ◆ Cross Connection Control Manual

PLEASE BRING:

- * calculator
- * 3 highlighters
- * code book (2009 or newer).

Featured Speaker

- ◆ **Jim Davis**, retired State of WI Plumbing Instructor.

Who should attend?

- ◆ Anyone registered to take the **Journeyman** or **Master** Restricted Appliance Plumbing exam that would like to prepare and review for the state exam.
- ◆ Anyone who failed the exam and would like a refresher course to prepare for the exam again.

Exam Cram Session

- ◆ This session is to help prepare individuals review and prepare to take the Restricted Appliance Plumbing exam. This is NOT a session to cover the required course work.

Date & Location

Wednesday, October 25, 2017

Comfort Inn & Suites

725 Paradise Lane
Johnson Creek, WI 53038
Ph: (920) 699-2800

Room Rate: \$99

Directions: <http://bit.ly/2qeoQ1O>

REGISTRATION ◆ Includes seminar and lunch
\$199 WQAW Members ◆ \$299 non-members

Name _____
Business _____
Address _____
City, State Zip _____
Phone _____
Email _____

Please return this form and payment to: (REGISTRATION FEE – includes lunch.)

Mail to: Water Quality Association of WI ◆ 33 E. Main Street, Suite 701 ◆ Madison, WI 53703

Fax to: (608) 244-9030

Questions: Contact Cheryl at (608) 210-3303 **Fax completed form to:** (608) 244-9030.

Cancel by October 1, 2017, in writing for a refund.

4 Registrations are needed by October 1st or this session will be cancelled.

Register TODAY!

2017 WQAW Board of Directors

Don Meredith, President

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