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WATER WORKS NEWS

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WINTER 2016

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NOW IS THE TIME

BARBARA MARCZAK

Although I know that I will be tired of the cold and darkness of winter well before it is finished, I love blankets of fresh snow. It also reminds me that the snow and precipitation we receive in winter is important to the recharge of Michigan's fresh water sources and should be welcomed. To have an abundance of water as we do in Michigan brings us beautiful coastlines, economic vitality, and abundant, high quality water supplies.

Fall began with a successful annual conference in Sault Ste. Marie, in September. This was quickly followed by our annual leadership retreat. Over 40 people from the Board of Trustees and our six Councils attended the two-day event, held at Bay Pointe Inn in Gun Lake, MI. We participated in team-building activities and began planning activities for the year. The Councils were able to share their accomplishments and experiences of the last year, and to begin coordinating efforts for the coming year. Their energy is evident and there are interesting things being planned.

So, I feel that *now* is the time to re-energize our membership – both in terms of the number of members and engaging members to be more involved. After several years of declining membership that followed the economic recession, we are seeing the numbers grow again, and I think we can do even better. I challenge each of you that may be reading this to:

- Become a member, if you are not already one

- Ask a colleague or associate to join, if you are a member. Imagine what would happen if each one of us got just one person that we work with to join?
- Become more involved in the Section activities, if you are a member.

If you are wondering why you should become a member, how to convince your employer to pay for membership, or how to convince someone else to join, I offer these benefits:

- **Learning opportunities** – Both AWWA and the Michigan Section offer many opportunities for furthering your education. These opportunities also provide the CECs and PDHs needed for ensuring your certification or license stays up to date. *If you are a member you receive discounts for this training.*
- **Technical Resources** – AWWA has more than 600 technical resources including books, DVD's, standards, manuals, and the *Opflow* and *Journal* magazines. AWWA is the premier organization providing these resources. *Members receive discounts of up to 33%.*
- **Networking** – Networking opportunities exist at training events, Joint Expo and conferences, and in committee work. Knowing other professionals in the state that you can call on in times of need is invaluable to communities that provide safe drinking water.

- **Advocacy** – You can help shape and influence how water is managed and delivered by staying abreast of issues and regulations that affect water. Our mission as operators, professionals, and communities is to provide safe drinking water to the public with smart regulation. We need experienced professionals to help guide that message and those regulations.

Now that I have convinced you to join, or convinced you to get someone else to join, I want to encourage you to participate fully. Attend events, join a committee or task force, and network. We are looking for new ways to provide networking opportunities and welcome any suggestions that you may have. I have been a member for 30 years and have found that participating on committees, and getting to know fellow water industry professionals across Michigan, has provided me with new experiences and insights – and many friends.

Those of you who attended the Fuller Luncheon at the Michigan Annual Conference witnessed my coronation as "Queen of Water." (Note this was a self-coronation as I am certain that no one else would do it.) Anyway, as Queen I could command you, my subjects, to do these things. However, I believe that voluntary participation is more productive and long lasting. So, please consider my invitation.

Your humble servant,
The Queen

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UNDER PRESSURE

BRIAN STEGLITZ, DIRECTOR

I hope that I am not jinxing us by predicting an end to the two-year trend of polar vortexes that have plagued us these past two winters in Michigan and environs. As we experienced a week of 70-degree temperatures in November in Southeast Michigan, how could we anticipate anything less? Upon reading this column in January, we'll see if my vision rings true.

In this issue of *Water Works News*, I want to draw your attention to two issues – one is an upcoming event that you don't want to miss; and the second is a recent experience that I had, which I believe illustrates both

a challenge and opportunity for the water community.

Joint Expo – Don't Miss It!

Joint Expo is just around the corner and provides you an opportunity to see your peers from around the State, and see the latest technologies showcased by equipment manufacturers. I always like attending Joint Expo and see this as the water and wastewater industries' signature event of the year in Michigan. I can recall several challenging commutes trying to get to Lansing during inclement weather events, one recent year taking me nearly three hours, for what would typically take one. While at the time, the value of the trip seemed questionable, the opportunity and connections made at Joint Expo for me over the years have been invaluable. I look forward, again, to seeing old friends, obtaining some continuing education credits, and walking the exhibit hall floor to see what's new. I hope to see you there!

Value of Water

I recently spoke to a group of business school students at the University of Michigan about the value of water and the needs in our industry. One student strolled in about 15 minutes after the appointed start time and quietly took a seat in the back. I noticed that he was carrying an unopened gallon-jug of water, which he proceeded to open and drink immediately

after he sat down. I couldn't resist the opportunity. I called on this student and queried him about his perception of the value of water and specifically asked how much he just paid for that gallon jug. He told me \$2.25. I asked him how much it would cost to fill that jug up from the tap, and after a few moments pause he said, "About \$1." Then I asked the rest of the 30 students what they thought it would cost. Input ranged from a dollar down to five cents. When I informed the students that the cost was less than half a cent, they were genuinely surprised. What they also did not seem to grasp was the average per capita consumption of water in the community. They grossly underestimated how much water they use.

This lack of understanding, in this case by a relatively educated and well-informed group, is characteristic of all of our communities. It is common that our customers do not understand how much water they use and how much it costs. Isn't this understanding critical if we are to get our customers behind reinvesting in our infrastructure needs? It is incumbent on all of us in the water sector to share the message that tap water is one of the best deals around. While our message should include wise use of this resource and minimization of waste, we should encourage conscientious use of our product, because it is truly the best. 💧



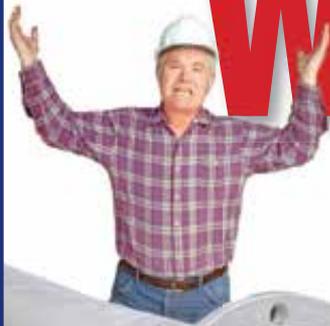
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THE VALUE OF PROFESSIONAL DEVELOPMENT

BONNIFER BALLARD, EXECUTIVE DIRECTOR

It is January in Michigan. Many of you are in the midst of typical winter challenges. Mother Nature certainly keeps us on our toes here in the Mitten, but you've got this. Whether you're a licensed operator or just starting out, in engineering or in customer service, we each seek to be good (maybe even great) at our jobs. We can achieve this only through ongoing professional development. We each have our own reasons for professional development, but even if you're only motivated by one or two reasons for seeking out professional development, you'll actually gain a great deal more than you originally expected.

Maintain your license

The Section offers a number of opportunities to earn continuing education credits (CECs) and professional development hours (PDHs). Through volunteer-created training opportunities, our partnerships with DEQ and MWEA, and other methods, MI-AWWA has a number of structured training sessions, conferences, and other events that help you earn enough credits, or contact hours, to maintain your current license and to move up when you are ready.



Increase your effectiveness

As you complete professional development opportunities – even on subjects you thought you knew about – you pick up new ideas, and little improvements that make your job easier. Perhaps you were introduced to a particular method or procedure that improves how you perform. Or maybe a training session just gets you thinking about an idea you have, and helps you work out how to implement it.

Build your professional network

By attending and participating in professional development, these interpersonal interactions actually serve to reinforce what you are learning. I have

found that it is in these peer-to-peer interactions that I discover the true value of the material being presented. That dialogue you have at lunch, or the question and answer discussion you listen to at break, are just as important as the structured learning time. Plus, there is the added benefit of being introduced to new people and reacquainting with old friends.

Demonstrate your initiative

Seeking out professional development also demonstrates your initiative to your employers. It shows that you care about the quality of your work enough to seek out ways to hone your skills, stay up-to-date on local



PROFESSIONAL DEVELOPMENT IS THE PROCESS OF LEARNING THROUGH FORMAL COURSEWORK, FACILITATED DISCUSSIONS, SEMINARS, CONFERENCES, AND INFORMAL LEARNING OPPORTUNITIES SUCH AS NETWORKING WITH COLLEAGUES AND PEERS.

requirements, and continue to expand your knowledge about your job. That is a powerful message to send to your employer – one that could translate to more opportunities at work to do what you like and for advancement. (I cannot say enough here to employers to support this from your employees. Reward their desire to learn by providing them the opportunity to attend. This only provides benefit for you and the community you serve.)

Cultivate life-long learning

Some of you may think of your job as just a job. I submit to you, however, that if you have been in the same line of work for more than a few years, you have a career. My father was a firefighter most of his adult life. No college degree but firefighting was his passion. It was most certainly his career. And as you move through your career, the idea of professional development or continuous self-improvement starts to become a habit. You start to become curious about a better way, hungry for improving, for the latest information, for doing the job in the most efficient and effective way. Over time, you will find that you apply this concept of continuous improvement to other aspects of your life. Think about it. Cool, huh?

MI-AWWA's vision is to be a vital community of water professionals, leading the advancement of water knowledge and improving the value and quality of water in our lives. This is part of why I am so passionate about MI-AWWA. I get the opportunity to help you be life-long learners, to help you protect public health and safety by providing clean, safe water to Michigan communities.

I know sometimes work is just work. It certainly doesn't seem all that wonderful when you're freezing your tail off fixing a break or listening to an angry customer rant about what is most certainly not your fault. Try to remember, in the midst of this Michigan winter, that you are part of something special. Your career and your continued professional development demonstrate that.

Keep up the great work – and stay warm out there! 💧



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MICHIGAN SECTION AWWA NEEDS YOU

NOMINATIONS SOLICITED FOR THE MICHIGAN SECTION BOARD OF TRUSTEES

By Mark Coleman, Nominating Committee Chair, MI-AWWA

The Nominating Committee is seeking candidates for terms beginning in September 2016 (in conjunction with the Annual Conference) for the following positions:

- Trustees – two, each for three-year terms
- Secretary Treasurer – one, for a three-year term

Self -and peer-nominations are encouraged. Please also note the bylaws of the Section indicate that one of the Board members should be from the Upper Peninsula of Michigan; one from either the area of the Lower Peninsula north of Town Line Fifteen; or from any district, area, or community in the Lower

Peninsula maintaining water service to a population under 10,000 persons at the most recent Federal Census. The representation of the Board members is intended to reflect the diverse membership of the Section, including, but not limited to, geographical locations, membership categories, utility size, gender, and ethnicity.

A nomination should include a short statement of interest and a brief summary of industry and AWWA activities. Interested members are encouraged to contact any of the Nominating Committee members with any questions; Committee members are Mark Coleman (Chair), Brian Steglitz, John Willemin, three Trustees, and two

at-large members to be named by the Board in January.

Nominations are due by May 1, 2016, and should be submitted to:

Mark Coleman,
Nominating Committee Chair
MI-AWWA
c/o Wade Trim Associates Inc.
500 Griswold Street, Suite 2500
Detroit, MI 48226
Email: mcoleman@wadetrim.com
Phone: 313-961-3650

Those who have submitted nominations in previous years are reminded to please reconfirm their interest for the coming year. 💧

COMMUNITIES OF PRACTICE COUNCIL UPDATE

By Geneva Vanlerberg, Chair, Communities of Practice Council

The Communities of Practice and Social Responsibility Council is proposing a name change to: the Technical Network Council. We are moving forward this year with the mission of being a technical resource for the Section, as well as providing technical networking opportunities for our members.

We are working closely with the Communications Council, Education and Training Council, Board of Trustees, and Section staff to achieve our goals for this year. The goals we have identified are: to provide speakers for planned events; provide technical content for distribution to members; keep

existing committees engaged; and identify bite-sized tasks for those wishing to get more involved with volunteering. If you would like to share your technical expertise with the Section in a big or small way, or would like to network with others in your expertise/interest area, please contact Geneva Vanlerberg at gmv@lbwl.com. 💧

EDUCATION AND TRAINING COUNCIL UPDATE

By Robert Miller, Chair, Education and Training Council

Since the Education and Training Council first convened in the fall of 2014, a great deal of effort has gone into identifying the wants and needs of our audience. This practice is now in full effect as presenters for upcoming Regional – and all other training offerings – are now being sought based on analysis of our Needs Assessment Survey, and individual event evaluations. If you have ideas,

opinions, or criticism of MI-AWWA educational offerings that you believe need to be addressed, please contact our Council via www.mi-water.org.

If, for any reason at all, you were unable to attend a MI-AWWA Regional Meeting or other training in 2015, please let me know why at bmiller@south-haven.com. Hearing from those of you not in attendance is just as helpful to our mission.

Also ongoing is our effort to engage more and new members for volunteer opportunities with the Section. Defining these opportunities is somewhat of a work in progress, but if you have an interest you'd like to share, or something you think might help others, contact me. We will find a role for whatever level of commitment you're comfortable with. 💧



ASSET MANAGEMENT AND CRITICALITY

By Asset and Infrastructure Management Committee member, Deann Falkowski, PE

The Asset and Infrastructure Management (AIM) Committee, a joint committee of MI-AWWA and the Michigan Water Environment Association (MWEA), has as one of its goals to provide information and training related to the development of Asset Management programs. In accordance with MDEQ guidance documents, asset management is comprised of five core components:

- 1) Asset inventory
- 2) Level of service
- 3) Critical assets
- 4) Revenue structure
- 5) Capital improvement project plan

The committee is preparing a series of articles on each components. This article will discuss the third one – Criticality.

One definition of criticality is “The quality, state, or degree of being of the highest importance.” (The American Heritage® Dictionary of the English Language, 5th edition) As stated in the DEQ document *Asset Management Guidance for Wastewater and Stormwater Systems*, “not all assets are equally important to the utility’s operation.” The criticality portion of developing an asset management plan identifies the most critical assets. Determining what these critical assets are allows a municipality/ utility to manage risk and supports decision-making in capital improvement planning, and in the allocation of operation and maintenance funds.

Two factors are considered in determining the criticality of an asset. The first factor is **probability of failure** (POF), or the likelihood of an asset to fail. Probability of failure is based on the structural condition and age of an asset. A standardized rating of 1 through 5 is assigned to each asset. These ratings are based on standards established by the National Association of Sewer Service Companies (NASSCO) for collection systems. The Pipeline Assessment and Certification Program (PACP) and the Manhole Assessment

and Certification Program (MACP) are two of these standardized programs and can be used similarly for drinking water systems as well. The ratings are as follows:

Score	Description
1	Improbable – failure very unlikely – can be disregarded at this time
2	Remote – failure unlikely – but possible to occur in component’s life
3	Possible – failure possible to occur sometime in the component’s life
4	Probable – failure likely to occur in the life of the component’s life
5	Imminent – failure likely to occur in the near future

Due to the cost and time required to perform physical inspections, all collection system elements may not be inspected in the initial program. Therefore, an alternate method can be used to determine probability of failure where physical inspection has not been completed. The probability of failure rating can be based on the percentage of useful remaining life of a component, which is determined from installation date and component material. However, all components at a wastewater treatment plant or pump station will need to be physically inspected.

The second factor in determining criticality is **consequence of failure** (COF). The consequence of failure addresses the impact or cost a failure would have on the community. Some factors to consider in determining the consequence of failure are pipe size (collection system), physical location, and service area impact. The consequence of failure would include cost of repair, repair/replacement costs caused by failure, legal costs related to failure of asset, and environmental costs

created by failure. The pipe diameter is a general measure of the size of the tributary area to the sewer. It can be used as an indicator of the population and amount of industrial or commercial facilities potentially affected by a failure.

Diameter Range		Score
Min	Max	
8	10	1
12	12	2
15	15	3
18	21	4
24	60	5

The physical location score indicates the difficulty performing repairs if the component were to fail. For example, repairs or replacement of sewers located under streams or railroad facilities presents difficulties and will likely result in higher costs. The service area impact score is an indicator of the sensitivity of the area that could be affected by a failure in the system. For example, a collapse immediately downstream of a hospital would have potentially greater health impacts than one occurring on a residential cul-de-sac. The ratings are as follows:

Score	Description
1	Insignificant disruption
2	Minor disruption
3	Moderate disruption
4	Major disruption
5	Catastrophic disruption

The POF and the COF are then multiplied to determine the business risk exposure (BRE).

$$POF \times COF = BRE$$

The BRE is used as a tool in determining activities including: inspection intervals and operation,



maintenance functions, as well as rehabilitation and replacement needs. A BRE from 1-4 is considered low risk, 5-15 is considered medium risk, and anything greater than 15 is considered high risk (Figure 1).

If the PACP score on a sewer segment in the collection system is a 5 (imminent failure), the BRE will automatically be rated as high risk regardless of the calculated BRE score. For assets that have not been physically inspected, assigning a BRE classification of high risk merely because it is nearing the end of its calculated life could result in unnecessary scheduling of rehabilitation and/or replacement. Instead, these assets should be placed in the medium classification that will establish more frequent inspection scheduling allowing their actual physical condition to be determined. Another component to consider, especially in Wastewater Treatment Plants or pump stations, is redundancy. Redundancy accounts for other assets that are able to provide the same service if an asset fails. Redundancy can significantly reduce the risk of a specific asset. The BRE ratings

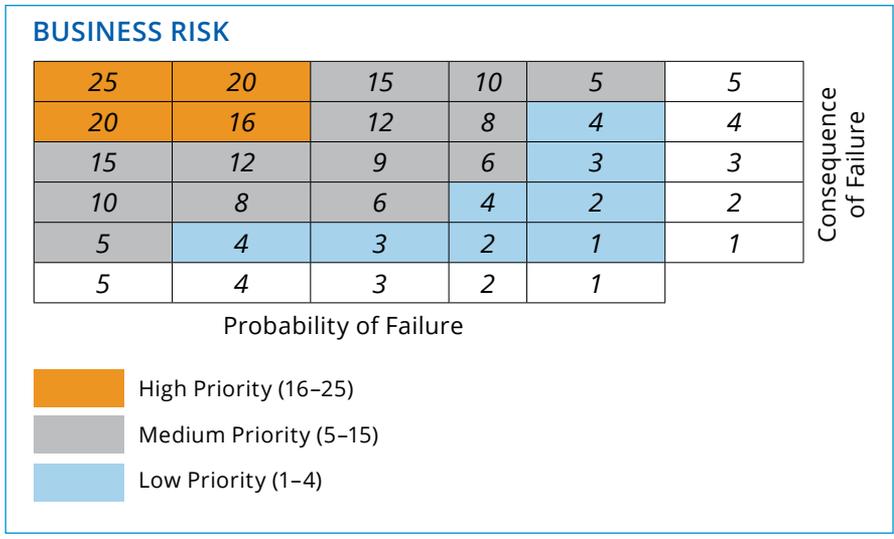


Figure 1

will be used to establish maintenance functions and frequencies for cleaning or internal inspection. BRE is also used to establish both the current and target level of service.

The AIM Committee goal is to build upon the guidance of the MDEQ with their Asset Management Guidance for Water and Wastewater Systems, which can be found on their website

at: http://www.michigan.gov/deq/0,4561,7-135-3307_3515_4143-10784--,00.html

If you are interested in joining the AIM Committee, please contact Sally Duffy at sduffy@hrc-engr.com or Jennifer Drinan at jennifer.drinan@ohm-advisors.com.

If you have any questions regarding this article, please contact AIM Committee member, Deann Falkowski, PE, at defalkowski@ftch.com.

GOVERNMENT AFFAIRS COUNCIL UPDATE

By Molly Maciejewski, Chair, Government Affairs Council

The Government Affairs Council mission is to track proposed legislation, inform our members on proposed or new legislation, and advocate for drinking water policy at the state and federal levels. We send delegates to Washington to participate in AWWA's National legislative "Fly-In." where individual meetings are held with members of Congress to discuss draft legislation, and challenges and opportunities facing drinking water systems.

Our goal in the coming months is to meet with state legislators during Joint Expo and at a targeted legislative "Drive In" during May 2016, which coincides with National Drinking Water Week. This event would be a similar format to the Fly-In, where Section members would

meet individually with elected officials and legislative staff in their representative district to discuss issues facing Michigan's drinking water supplies.

We need your help at both of these events. If you are planning to come to Joint Expo, schedule a meeting with your elected official and then bring your district representative to Joint Expo to walk the floor. The Section will provide lunch for both of you.

Experience at the federal level shows us that meetings with elected officials are more effective if the meeting is held in the elected official's office, rather than a central location, and with a section member who lives in the same district as the elected official.

Currently there are many drinking water issues that either have proposed

legislation or where legislative action is anticipated in the very near future. It is imperative that we get member volunteers from as many congressional districts as possible so that when bills are proposed, we can advocate for policies that protect the public health, and support municipal drinking water systems. Examples of issues are: funding for replacement of aging infrastructure, cyanotoxins, lead monitoring, and disinfection byproducts.

Please consider helping by volunteering to meet with your state representative or state senator. Training and talking points will be provided so little advance preparation is needed. If you are interested in helping out, please contact Bob Veneklasen veneklasenR@wyomingmi.gov or Molly Maciejewski mmaciejewski@a2gov.org.



WATER WORKS NEWS SAFETY CORNER

Prepared By MI-AWWA Safety Practices Committee and *Safety.blr.com*

News & Notes

REMOVING REPEAT ACCIDENTS

Here's how to help break the cycle:

DO:

- Make no more repeat accidents a Number One safety objective.
- Talk about your priority every day.
- Be a safety advocate. Remind coworkers not to take shortcuts, use substitute tools, or otherwise increase their risks for accidents.
- Be a cheerleader for safety responsibility in your work area.
- Always be on the lookout for potential safety problems.

DON'T:

- Don't criticize co-workers without offering suggestions and support.
- Don't lecture. Lectures annoy and turn co-workers into passive receptors rather than actors in improving their own safety performance.
- Don't blame. Even if a co-worker makes a mistake, the goal is to fix the error, not to point fingers.
- Don't assume the worst of people. This assumption can backfire by becoming a self-fulfilling prophecy for the singled-out person.
- Don't give pep talks with simplistic answers. Actions speak louder than words so back up encouraging words by making real changes and offers of assistance.

You play an important role in preventing repeat accidents - both your own and your co-workers'.



"Dude - this is like the fourth time I've had to grow my tail back."

Repeat Resolutions

THEY'RE BETTER THAN REPEAT ACCIDENTS!

Are you going to make a repeat resolution to work more safely this year? That's a great idea! And a good place to start is to cut down on repeat accidents.

What causes repeat accidents?

- **High-risk jobs** involving hazardous chemicals, dangerous equipment, and confined spaces
- **High-stress jobs** without adequate built-in relief, such as enough staff or sufficient break times
- **Seasonal jobs** that involve periodic high-volume work, which can create accident clusters
- **Repetitive jobs** that can cause ergonomic injuries
- **Repeat injuries** from previous injuries that did not heal properly, possibly because of returning to work too early
- **Referred injuries** from overcompensation of other body parts to make up for the injured body part, such as hip problems from adjusting the gait to accommodate a knee injury

Who causes repeat accidents?

- **Stoic "tough guys"** who work through any injury and consider it a sign of weakness to do otherwise
- **Angry people** who let passion distract them from working safely because they're "just so angry they can't see straight"
- **Easily distracted people** who don't pay enough attention to what they're doing
- **Disengaged workers** who don't care enough to be careful
- **Tired people**, including shift workers, whose lifestyle doesn't give them enough energy or alertness to work safely
- **Workaholics** who won't stop to report for fear of losing work time
- **Shy workers** who won't draw attention to themselves by reporting an incident and risking an investigation of their work 💧

Safety Question of the Quarter

A fall arrest system is required when a worker is operating at a height of...

- (A) 3 feet or more
- (B) 6 feet or more
- (C) 10 feet or more
- (D) None of the above

Answer: B 6 feet or more - A fall arrest system is required if there is any risk that a worker may fall from an elevated position. As a general rule, the fall arrest system should be used anytime a working height of six feet or more is reached. Working height is the distance from the walking/working surface to a grade or lower level.

AWARDS AND SCHOLARSHIPS

MICHIGAN SECTION SCHOLARSHIPS

Michigan Section American Water Works Association

Raymond J. Faust scholarship

ELIGIBILITY: All Michigan water utility employees and their dependents are eligible, as well as individuals pursuing a water utility career.

The scholarship award is based on demonstrated dedication to the water supply industry and to the pursuit of a college degree (bachelor's or associates) in the drinking water field. Applicants will not be evaluated on financial need, but must be a member of the Michigan Section American Water Works Association.

AMOUNT: The Association intends to provide one or more scholarship(s) annually. The annual award amount is determined by the interest earned from the scholarship endowment.

HOW TO APPLY: Submit the completed application to:
Michigan Section AWWA
ATTN: Faust Scholarship Committee
PO Box 150469
Grand Rapids, MI 49515

All application packets must be received by July 1 of the current year.

Michigan Section AWWA High School Scholarship

ELIGIBILITY:

- Applicants must currently be a graduating high school senior student, in their last year of high school.
- Applicants must be the son or daughter of a current Michigan Section AWWA member.

- In the fall immediately following their high school graduation, applicants must attend a college, or university, entering their first year of a two- or four-year program.
- Applicants must have at least a 3.0 high school academic average, on a 4.0 GPA academic scale.

APPLICATION REQUIREMENTS:

- Applicants must submit a paper of between 100 and 500 words, reflecting on their academic and career interests/objectives, and their extracurricular activities
- Applicants must submit a current copy of their high school transcripts
- Applicants must complete the attached scholarship application form, signed by their Michigan Section AWWA member parent

SELECTION: All applicants meeting the application and eligibility requirements will be given an equal chance to receive the award. Selection shall be based on a random drawing of all eligible applicants. One (1) \$1,000 scholarship is available each year, provided that the application(s) received meet the application and eligibility Requirements. In all cases, the opinions and decisions of the judges will be final.

AWARD: The \$1,000 High School Senior Academic Scholarship award winner will be determined at the next Michigan Section AWWA Annual Conference. A check will be issued in the name of the student's college or university, after verification of enrollment has been received by the Michigan Section, AWWA. Scholarship money is to be used for academic purposes only.

HOW TO APPLY: Submit the completed application to:

Michigan Section AWWA
ATTN: High School Student Scholarship
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonnifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Fellowship for Water Quality and Treatment Research

The Michigan Section sponsors a fellowship for undergrad and graduate students. The goals of this fellowship are to stimulate greater involvement of Michigan's academic institutions – and their graduate and undergraduate students – in the study of drinking water-related fields, and to encourage innovative solutions to priority problems of the drinking water community.

ELIGIBILITY:

1. Applicants must be attending an accredited Michigan college or university
2. Applicants may be graduate or undergraduate students, as well as students admitted to graduate school

SELECTION PROCESS:

The entries will be evaluated by the Research & Technical Practices Review Team. Selections will be made based on the merits of the proposed study as well as the applicant's academic achievements.

FUNDING:

Funding will be provided from the general funds of the Michigan Section

AWWA, which are derived from membership fees, registration fees, and corporate sponsorship.

AVAILABLE FUNDS AND CONDITIONS:

The Michigan Section AWWA offers two separate awards, one in the Undergraduate Fellowship Program and one in the Graduate Fellowship Program. Both programs are one year in length, with fellowships expected to be awarded in January 2015. However, the dates are flexible to accommodate the recipient's academic needs.

Each award is \$3,000, \$2,000 of which is provided to the student as a stipend. The remaining \$1,000 will be transferred into a university account, to be used by the sponsoring professor for research-related expenses. The institution should be able to set up this research account without overhead.

All applicants will also be awarded a one-year AWWA membership. Upon completion of the program, students are encouraged to submit a research paper or present their findings at an AWWA sponsored event.

For additional information, contact Alex Yavich at 616-975-0847 or yavichal@osenv.com.

MICHIGAN SECTION AWARDS

Jack A. Borchardt Award

Education Award

Exemplary Wellhead Protection Award

The AWWA Exemplary Wellhead Protection Program Award recognizes a public water system that has developed and implemented model wellhead protection programs.

The awardee must meet all of the following criteria:

- The water system must be in a state with an EPA-approved wellhead protection program, and
- The water system wellhead protection plan/program must meet the nine requirements outlined by AWWA

HOW TO APPLY: Submit the completed application to:
Michigan Section AWWA
ATTN: Exemplary Wellhead Protection Program Award
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Exemplary Source Well Protection Award

Faust Award

ELIGIBILITY:

The Raymond J. Faust Award recognizes one or more individuals for outstanding personal service in the water supply field. The award commemorates Raymond J. Faust for his contributions to safe public health engineering practices, his advancement of sound water supplies, and his dedication to building and promoting the waterworks industry of high esteem.

SELECTION PROCESS:

The entries will be evaluated by the Faust Award Committee members, which are prior recipients of the Raymond J. Faust Award. Selections will be made based on the merits of the nominated candidates.

HOW TO APPLY: Submit a short letter of nomination to:

Michigan Section AWWA
ATTN: Raymond J. Faust Award Nomination
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Richard Husby Public Awareness Award

ELIGIBILITY:

The Richard Husby Public Awareness Award recognizes a Michigan water utility, organization and/or individual

for significant accomplishments in promoting awareness and understanding of the water supply issues among the general public, through the development and implementation of public education activities.

SELECTION PROCESS:

The entries will be evaluated by the Public Awareness Committee members and the Communications Council. Selections will be made based on the merits of the nominated candidates.

HOW TO APPLY: Submit a short letter of nomination to:

Michigan Section AWWA
ATTN: Richard Husby Public Awareness Award
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

LaDue Safety Award

ELIGIBILITY:

The AWWA Michigan Section's Safety Practices Award competition is administered by the Section's Safety Practices Committee. The award is intended to recognize excellence and improvement in drinking water utility safety programs in the State of Michigan. Awards are given in each of four utility classes:

Class Size I	Less than 10 employees
Class Size II	10 – 100 employees
Class Size III	101 – 500 employees
Class Size IV	Over 500 employees

The award application process is generally based on the AWWA Wendell R. LaDue Utility Safety Award. The LaDue Safety Award is a national award competition that is administered by international AWWA and open to applicants from all AWWA Sections. The winners of the Michigan Section Safety Practices Award are submitted by the Michigan Section for entry into the LaDue Award competition.

SELECTION PROCESS:

To submit an award application, please follow these steps:

1. Complete the **candidate nomination form** for the proper class size of your utility
2. Complete the **supplemental data sheet**, parts I, II, III, and IV
3. Attach copies of the OSHA 300 logs for the past five years
4. Attach a copy of your utility management's written safety policy statement

HOW TO APPLY: Submit the completed application and supplemental materials to:

Michigan Section AWWA
ATTN: LaDue Safety Award
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Operator Meritorious Service Award

ELIGIBILITY:

The Operator Meritorious Service Award recognizes individuals for special performance in one or more of the following areas:

1. Continuous compliance with public health standards in finished water
2. Consistent and outstanding contribution to plant maintenance; thereby prolonging the useful life of equipment
3. The development of new and/or modified equipment or significant process modifications to provide for a more efficient or effective treatment
4. Special efforts in the training of treatment plant operators
5. Special acts, not directly related to water treatment, but which demonstrate dedication to the public beyond the normal operating responsibilities
6. Consistent and outstanding contribution to operation and/or maintenance of distribution lines, pump stations, and reservoirs

HOW TO APPLY: Submit a short letter of nomination to:

Michigan Section AWWA
ATTN: Operator Meritorious Service Award
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Research and Technical Practices Award

ELIGIBILITY:

The Purpose of the Research and Technical Practices Award is to:

1. Acknowledge outstanding research and technical practices
2. Share research and technical practice findings among utilities
3. Encourage new research and technical practices

The award recipient must be a Michigan water utility involved in non-sponsored research or technical practices related to water works activities. The research or technical practice may be undertaken in conjunction with consultants or university personnel, but must involve a Michigan water utility. Consultants or University personnel performing research or technical practice independent of a specific Michigan water utilities are not eligible for the award.

The research or technical practice must be completed or in progress within two years of the date the award is given. The results of the research or technical practice do not necessarily need to be positive.

HOW TO APPLY: Submit a short letter of nomination to:

Michigan Section AWWA
ATTN: RTP Award
PO Box 150469
Grand Rapids, MI 49515

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

MDEQ Edward Dunbar Rich Awards

ELIGIBILITY:

Each year the Department of Natural Resources & Environment (DNRE), in cooperation with the Michigan Section of the American Water Works Association (AWWA), presents the Edward Dunbar Rich Service Awards. These awards are presented at the Awards Luncheon during the Michigan Section AWWA Annual Conference.

The prerequisite for eligibility is 25 years of meritorious and faithful service in the waterworks industry in Michigan, in any capacity whether it is a plant operator, meter reader, billing clerk, etc., and regardless of a full- or part-time basis. The 25 years do not have to be consecutive, nor does the time have to be spent in the service of only one city. The important thing is that the employee was, in some capacity, with a water department and that the cumulative period totals 25 or more years.

SELECTION PROCESS:

Verification of eligibility will be made by MDEQ staff.

HOW TO APPLY:

Submit a completed application (available on the MDEQ Drinking Water Community Supply web site) to:

MDEQ, Office of Drinking Water and Municipal Assistance, Field Operations Section, Attn: Ms. Kristen Philip
P.O. Box 30241
Lansing, Michigan 48909-7741

You may also contact Bonniifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 15 of the current year.

Michigan Water Industry Hall of Fame

Established in 2013 by the Michigan Section, American Water Works Association (MI-AWWA), the purpose of the **Michigan Water Industry Hall of Fame** is to perpetuate the memory of those drinking water heroes who have made the most significant contributions to the field of public water supply in the state of Michigan.

ELIGIBILITY:

To be eligible for the award, a candidate should be beyond the age of 60 and have achievements, character, and professionalism that are well established. Contributions to the water supply profession may have been in any of the disciplines of the field. The award may be awarded posthumously.

SELECTION PROCESS:

Nominations are accepted between January 1 and March 31 of each year. Inductees are announced at the Section's Annual Conference.

If you know of a worthy candidate, please contact staff or any member of the Historical Preservation Committee for more information on how to make a nomination.

HOW TO APPLY: Submit a short letter of nomination to:

**Michigan Section AWWA
ATTN: Michigan Water Industry Hall of Fame
PO Box 150469
Grand Rapids, MI 49515**

You may also contact Bonnifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by March 31 of the current year.

YP of the Year Award

The Michigan Section of AWWA Young Professional of the Year Award was established in 2005 to recognize the contributions of young members, whose service and achievements are exceptional for their years of experience. The award is given annually to one member of the organization that has demonstrated an active commitment to the organization and the profession as a whole.

ELIGIBILITY:

- A member in good standing with Michigan Section AWWA
- Less than 35 years of age or less than 10 years of experience in the industry
- Shows enthusiasm by participation in professional meetings, committees, events, and activities

- Exemplifies a positive influence on the organization and the profession by way of service, good fellowship, leadership, and commitment

HOW TO APPLY:

1. Complete and submit an award nomination form available on the Section website
2. The nomination form must be sent to the contact listed on the bottom of the form. Enclose samples of the nominee's achievements, such as media clippings or copies of other awards, if available

**Michigan Section AWWA
ATTN: YP of the Year Award
PO Box 150469
Grand Rapids, MI 49515**

You may also contact Bonnifer Ballard at bballard@mi-water.org or 517-292-2912

All application packets must be received by July 1 of the current year.

Note: Information about awards is subject to change. Please visit the section website for the latest information on all awards.

AWWA AWARDS

The following awards are Association level awards. Find out more information about these awards by visiting the AWWA web site.

- Ambassador**
- George W. Fuller Award**
- Heroism**
- Historic Landmark**
- Outstanding Service to AWWA**
- Service to the Water Industry**
- Silver Presidential**
- Water Industry Hall of Fame**
- Young Professional of the Year Award** 

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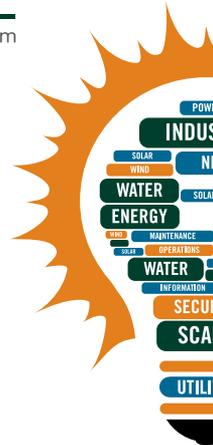
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JOINT EXPO & OPERATORS DAY

PREVIEW

February 2 and 3 • Lansing Center • Lansing, MI



Co-presented by the Michigan Section – American Water Works Association (MI-AWWA) and the Michigan Water Environment Association (MWEA), Joint Expo includes Operators Day, an infrastructure finance seminar, and the premier exhibit show in the Midwest.

OPERATORS DAY

Operators Day offers two half-day training sessions packed full of great information. Water and wastewater utility managers and operators should plan to attend either or both days. This year's program will focus on cross connection, electrical maintenance, miss dig, backflow prevention and more.

Onsite check-in and continental breakfast are available at 7:15 am, and each day's training begins at 8:10 am sharp. Enjoy lunch (included in registration) on the exhibit floor.

Each day's training offers 0.3 continuing education credits in the technical category for both water and wastewater licensed operators.

Operators Day registration

There are two ways to register: Complete the form on page 22 and return to:

MWEA Office
PO Box 397 Bath, MI 48808
Fax: 517-641-7388

Go online to www.jointexpo.org.

You must register by January 25, 2016. If a registrant cancels 10 days or more before the program, a 100% refund will be issued. If cancellation is less

PROGRAM AGENDA

	Tuesday February 2, 2016	Wednesday February 3, 2016
7:15 a.m.	Registration <i>Coffee and rolls provided until 7:45 a.m.</i>	
8:10 a.m.	Welcome & Introduction	
8:15 a.m.	Miss Dig <i>Bob Suits</i>	Water and Wastewater Operator Resources <i>Steve Wilson</i>
9:00 a.m.	Grease Trap, Cross Connection & Certification <i>Mike Smith</i>	Serving our Customers with the Proper Equipment <i>Tom Trice</i>
9:45 a.m.	Break	
10:00 a.m.	Lab Equipment/Instruments: Proper Usage, Maintenance and Trouble Shooting <i>Amy Vail</i>	Electrical Maintenance <i>Dave Sayward</i>
10:45 a.m.	Maintenance and Lubrication <i>Ken Colston</i>	Backflow Prevention & ASSE Tester Certification <i>Paul Patterson</i>
11:30 a.m.	Lunch <i>Adjourn to the exhibit hall for the lunch buffet; please observe and adhere to the meal times scheduled on your buffet lunch ticket.</i>	

NOTE: The order of presentations are subject to change and/or substitution, if needed.

than 10 days before the program, fees based on expenses will apply. No refunds are made if cancellation is after program date. Registration

can be transferred to another person in your organization any time. Please communicate any changes to the MWEA office at 517-641-7377.

Name: _____

Employer: _____

Address: _____

City, State, Zip: _____

Direct Telephone #: _____

Email (Required): _____

Dates Attending Operators Day:

Feb. 2 (\$100.00) Feb. 3 (\$100.00) Both (\$200.00)

Yes, I want CEC Credit! (CHECK ONE)

DW WW Both (DW & WW)

DRINKING WATER OPERATOR ID# _____

Check all that apply:

Municipal Industrial Distribution Collection Management Plant Operations

Maintenance Vendor Consultant Contractor Other _____

Please Note

Registrations received by mail or FAX without payment (check, money order, credit card or purchase order no.) will be processed **only after the registration deadline**, space permitting. By sending in this registration, you are registering for **Operators Day**; attending Joint Expo exhibits is free.

Please send check to: MWEA, PO Box 397, Bath, MI 48808

Check Enclosed Payable to MWEA \$ _____

Check not enclosed - PO # _____

Credit Card Payment:

Charge \$ _____ Visa MasterCard AMEX

Account : _____ Exp: _____

Please enter billing address of credit card below:

Signature: _____

INFRASTRUCTURE FINANCE SEMINAR

This advanced-level seminar offers powerful tools to help leaders of water systems stay ahead of today's infrastructure funding challenges. There are no wastewater or drinking water continuing education credits available for this half-day seminar, however professional development hours may be available for those with the P.E. designation. Onsite check-in and continental breakfast is available at 8 am, with the program beginning at 8:30 am. Enjoy lunch (included in registration) on the exhibit floor.

Infrastructure Finance Seminar registration

There are two ways to register. Download the form from the website and return to:

 MWEA Office
PO Box 397 Bath, MI 48808
Fax: 517-641-7388

 Go online to www.jointexpo.org.

You must register by January 25, 2016. Same cancellation policy applies as Operators Day. Please communicate any changes to the MWEA office at 517-641-7377.

EXHIBITS

Water professionals can earn CECs free! This is the premiere exhibit show of the Midwest, offering an opportunity to see vendors from all areas of the water industry. Entrance into the exhibits is free. Water and wastewater operators can earn 0.2 CECs in the other category by spending time investigating the latest in equipment, technology, and services on the exhibit floor.

Skip the lines – pre-register

Registration is *not required* to enter the exhibit floor. However, you will get on the floor faster if you pre-register. That way, we can have your name badge ready. Visit www.jointexpo.org to sign up for the exhibits ahead of time.

Vendors interested in exhibiting

The exhibit is a show for equipment suppliers, manufacturers, and consulting engineers who want an effective method

to present their products and services to water professionals. Any company or organization that manufactures and/or provides products or services to the drinking water and wastewater treatment communities is eligible to exhibit.

Show Hours

Tuesday, February 2, 10 am – 4 pm
Wednesday, February 3, 9 am – 3 pm

Space for large equipment

The exhibit show has space for nearly 300 booths and can accommodate exhibitors with large equipment in multiple booths. Each booth is 10-foot deep x 10-foot wide. Multiples of this base size may be reserved.

JOINT EXPO FEATURES

Value – no fee for attendance so water and wastewater utilities are encouraged to send several representatives

Food – exhibit area buffet lunch/concessions available

Fun – MI-AWWA Water Main Tapping contest on Tuesday; MI-AWWA Meter Madness contest on Wednesday

Exposure – in 2015, there were more than 2,000 show and booth attendees combined, and booth space was sold out

Giveaways – four registrations to the 2016 respective Annual Conferences will be given away by MI-AWWA and MWEA

SPONSORSHIP OPPORTUNITIES

Exhibitors have the opportunity to increase visibility and attendee engagement through additional sponsorships. The following opportunities are available:

Scavenger hunt participant sponsor \$150

Scavenger hunt featured sponsor \$500

Scavenger hunt Uber sponsor \$1,000

Details on sponsorship opportunities are available online at www.mi-water.org/?page=JE.

CANCELLATION OF BOOTH SPACE

Cancellations received on, or prior to, January 4, 2016, are eligible for a refund, less a \$250.00 non-refundable fee. No refunds will be issued for cancellations submitted after January 4, 2016.

HOTEL ACCOMMODATIONS

Hotel accommodations are the responsibility of the exhibitor or attendee. The Lansing Radisson Hotel,





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connected to the Lansing Center by pedway, is offering a flat room rate of \$132.95 per night for reservations on or before January 8, 2016, or until the room block is full. Phone 517-482-0188 and refer to promotional code AWWA16.

ADDITIONAL INFORMATION ABOUT EXHIBITING

Download the Exhibitor Prospectus from www.jointexpo.org or contact MI-AWWA staff at 517-292-2912 for more information about exhibiting at Joint Expo. For your convenience, a booth reservation form can be found on page 27.

SPECIAL EVENTS

Water Main Tapping Contest

Tuesday, February 2, 1 pm – 4 pm

The MI-AWWA Water Main Tapping Contest will once again be held during Joint Expo. A large staging area has been set aside in the Exhibit Hall. This spirited competition is a high-energy contest where three-person teams race against the clock to drill into a cement-lined ductile iron pipe by hand, and install a tap connected to a simulated water service.

Stop by to see for yourself what all the excitement is about and to root for your favorite team in their attempt to be the fastest tappers in Michigan. The winning teams have the opportunity to compete at the AWWA Annual Conference & Exhibits in Chicago in June.

If you want to form a team and compete, contact: Mike Schlegelmann, 248-524-3497, schlegelmm@troymi.gov, or Remecho Sanders, at 517-897-5982, ras@lbwl.com.

Scavenger Hunt

Tuesday, February 2, 11:30 am – 4 pm

Organized and coordinated by the MI-AWWA Young Professionals and the MWEA New Professionals, the scavenger hunt is a fun way to walk the exhibits and earn a chance to win prizes. Prizes are sponsored by numerous exhibitors and will be awarded later that day. Must be present to win.

Meter Madness

Wednesday, February 3, 11 am – 2 pm

Check out the Meter Madness competition on the exhibit floor where competitors test their skills in a timed effort to assemble a water meter from a bucket of parts. Careful! There may be an extra part or two in the bucket just to throw you off. Winners will have the opportunity to compete at the AWWA Annual Conference and Exhibits in Chicago in June.

NEW Equipment Showcase

New this year, attendees have the opportunity to see scheduled live demonstrations of products right on the show floor. These demos give you an up close look at new or unique products or services. Scheduled demos will be held on Wednesday afternoon. Visit www.jointexpo.org or the registration desk onsite for the schedule.

Round Table Discussion

Tuesday, February 2, 12 pm – 1 pm

Hosted by MI-AWWA YPs and MWEA NPs

This is a great opportunity to join with other water and wastewater professionals to converse on topics of interest within the industry. Registration is complimentary but you're asked to pre-register so that we can ensure a comfortable room. Visit www.jointexpo.com to pre-register. Students and those new to the industry are especially encouraged to attend.

Joint Expo Mixer

Tuesday, February 2, 4 pm – 6 pm

Hosted by MI-AWWA YPs and MWEA NPs

Come enjoy snacks and a beverage or two after the exhibits close on Tuesday.

Nuthouse Sports Grill
420 E Michigan Ave,
Lansing, MI

MICHIGAN SECTION WATER MAIN TAPPING CONTEST

Tuesday, February 2, 2016 1 pm – 4 pm

The MI-AWWA Water Main Tapping Contest will once again be held during Joint Expo. A large staging area has been set aside in the Exhibit Hall. This spirited competition is a high-energy contest where three-person teams race against the clock to drill into a cement-lined ductile iron pipe by hand



and install a tap connected to a simulated water service. Teams will begin competition at 1 pm on Tuesday and run until finished later that same day. We expect several teams to participate this year; there will be plenty of good viewing from all sides of the stage.

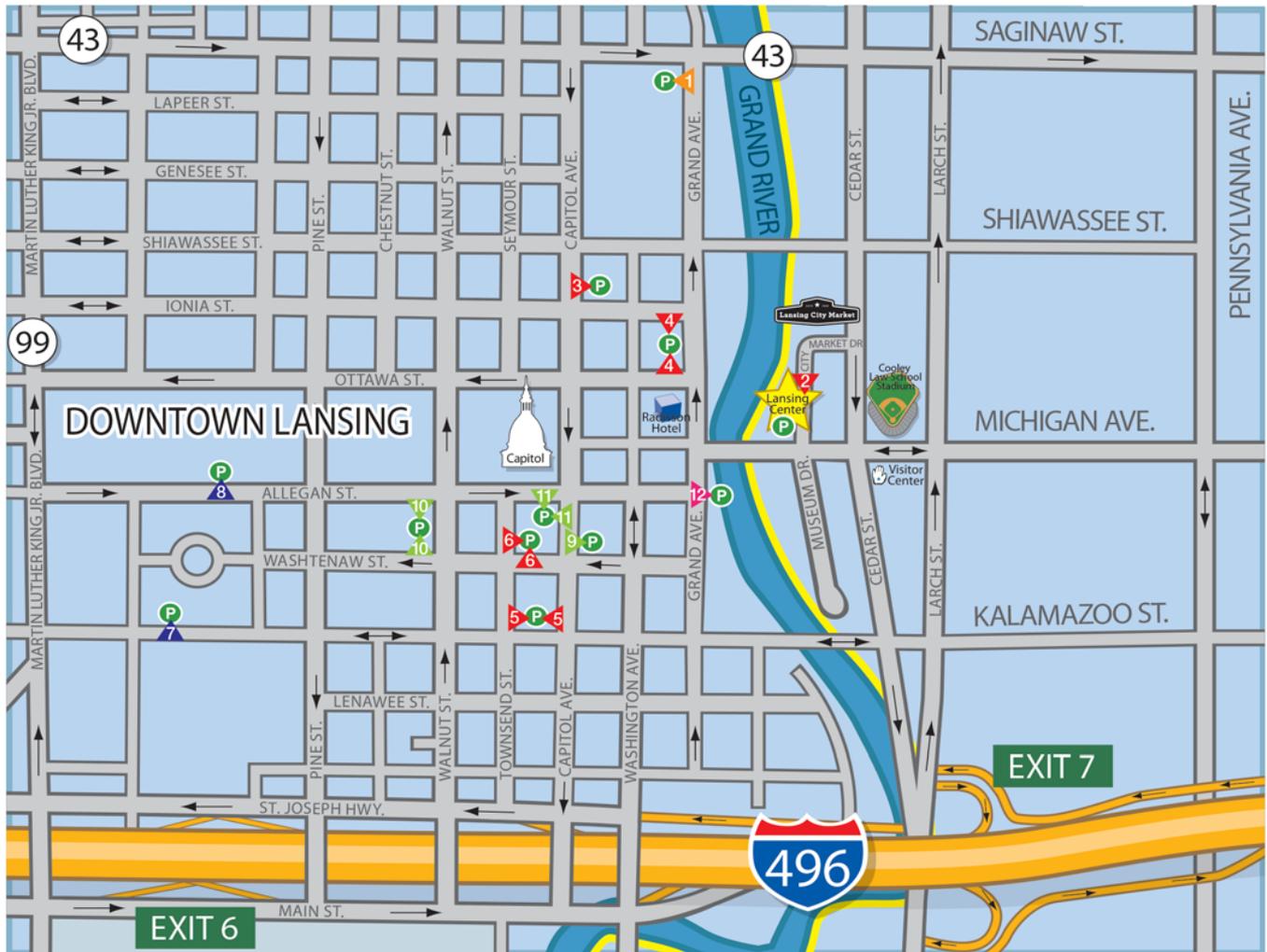
For those who are attending Joint Expo, please stop by the contest to see for yourself what all the excitement is about and to root for your favorite team in their attempt to be the fastest tappers in Michigan. The winning men's team and women's team have the opportunity to compete at the AWWA ACE16 which will be held in Chicago in June.

We are once again looking for additional teams, both men and women, to compete in this contest. For additional information or to register a team, contact Mike Schlegelmann at 248-524-3497 or schlegelmm@troymi.gov.

PARKING

The Lansing Center is located at 333 E. Michigan Avenue, Lansing, MI, 48933. The closest parking is available behind and under the Lansing Center, off Cedar Street, and in the North Grand Avenue ramp connected to the Lansing Center via pedway.

For your convenience, here is a map of all parking options available in and around the Lansing Center. Download the parking app from www.jointexpo.org to get parking updates the day of the event.



DOWNTOWN LANSING PARKING MAP

Current as of November, 2015.

Lansing Community College Parking Facilities (517) 483-1798

- ▲ Lansing Community College's Gannon Ramp** — SW corner of Saginaw St. & Grand Ave.
Open 24 hours. Fees charged: Ramp is free and open to the public only on weekends.

City Parking Facilities (517) 483-4240

- ▲ Lansing Center Parking**
Open 24 hours. Fees charged: 6 am – 11 pm (M-Fri) overnight & events.
Cost: \$6 per entry, per space. Cash, Check, Visa, MC, Discover, AmEx.
- ▲ North Capitol Ramp** — Capitol Ave. between Shiawassee St. & Ionia St. (enter from Capitol Ave.).
Open 6 am – 10 pm (M-Fri). Fees charged: 8 am – 10 pm (M-Fri).
Cost: \$1 per ½ hour, \$10 daily max. Cash, Visa, MC, Discover, AmEx.
- ▲ North Grand Parking Ramp** — Grand Ave. between Ionia St. & Ottawa St.
Open 24 hours. Fees charged: 8 am – 10 pm & Sat 2 am – Sun 10 pm
Cost: (M-Fri) \$1 per ½ hour, \$10 daily max.; (Sat-Sun) \$6 flat fee. Cash, Visa, MC, Discover, AmEx.
- ▲ South Capitol Ramp** — Kalamazoo St. between Townsend St. & Capitol Ave.
Open 24 hours. Fees charged: 8 am – 10 pm (M-Fri). Free parking on the weekends.
Cost: \$1 per ½ hour, \$10 daily max. Cash, Visa, MC, Discover, AmEx.
- ▲ Townsend Parking Ramp** — Townsend St. between Washtenaw St. & Allegan St.
Open 24 hours. Fees charged: 8 am – 10 pm (M-Fri). Free parking on the weekends.
Cost: \$1 per ½ hour, \$10 daily max. Cash, Visa, MC, Discover, AmEx.

State of Michigan, Department of Management & Budget Facilities (517) 373-1836

- ▲ Michigan Museum & Historical Center** — Kalamazoo St. between Butler Blvd. & Pine St.
Open 24 hours. Fees charged: 24 hours (M-Fri), free on weekends & federal holidays
Cost: \$1 per hour, \$8 daily max. Cash—pay inside, Visa, MC, Discover.
- ▲ Vietnam Veterans Memorial Lot** — Allegan St. between MLK Blvd. & Pine St.
Open 24 hours. Fees charged: 24 hours (M-Fri), free on weekends & federal holidays
Cost: \$1 per hour, \$8 daily max. Cash—pay inside Hannah Building, Visa, MC, Discover.

Ellis Parking Company (517) 482-3659

- ▲ Capitol & Washtenaw Lot** — 229 S. Capitol Ave., NE corner of Capitol Ave. & Washtenaw St.
Open 24 hours. Fees charged: 24/7.
Cost: \$1.25 per ½ hour, \$9.00 daily max. Visa, MC, Discover, AmEx.
 - ▲ Constitution Hall Lot** — 425 W. Allegan, between Allegan St. & Washtenaw St., west of Walnut St.
Open 24 hours. Fees charged: when attendant is present during business hours.
Cost: \$1.25 per ½ hour, \$10.00 daily max. Cash, Check, Visa, MC, Discover, AmEx.
 - ▲ Plaza Ramp** — 205 W. Allegan, SW corner of Allegan St. & Capitol Ave.
Open 24 hours. Fees charged: 24/7.
Cost: \$1.25 per ½ hour, \$10 daily max. Cash, Check, Visa, MC, Discover, AmEx.
- South Grand Ramp (517) 708-3800**
- ▲ Grand Avenue Parking** — Grand Ave. at Allegan St.
Open 24 hours. Fees charged: 24/7.
Cost: \$1 per ½ hour, \$12 daily max. Credit only: Visa, MC.

INFRASTRUCTURE PROJECT FUNDING SEMINAR

IN CONJUNCTION WITH: OPERATORS DAY AND JOINT EXPO • TUESDAY, FEBRUARY 2ND, 2016

This seminar will provide valuable information to Utility Owners, Managers, Superintendents, and Consultants associated with infrastructure systems.

Current funding programs, water infrastructure audit tips and benefits of partnerships will be discussed.

Who Should Attend?

- Elected Officials • City Managers • Utility Directors/Managers
- DPW Directors/Managers • Superintendents • Consultants

AGENDA

7:30 am	Registration
8:15 am	Welcome – Opening Comments Dave Connors, Waterworks Systems & Equipment
8:30 am	A Holistic Framework for Evaluating and Rating Water Infrastructure Meghana Kamath, P.E., Greeley and Hansen
9:15 am	Funding Program Updates: USDA Rural Development & State Revolving Fund Program Christine Maxwell, Director, USDA Rural Development Sonya Butler, Michigan Dept. Natural Resources
10:00 am	Break
10:15 am	Public Private Partnerships: What They Can Do For You David Lick, Foster Swift Collins & Smith
11:00 am	Financial Assessment for Water Utilities Dawn Lund, Vice President, Utility Financial Solutions
11:45 pm	Lunch – provided

For additional information contact MWEA:

By phone: (517) 641-7377 • By email: mwea@mi-wea.org • Online: www.mi-wea.org


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EXHIBIT SPACE APPLICATION FORM

JOINT EXPO Fee Schedule

Number of Booths	Price	After December 31
1	\$635	\$735
2	\$1,125	\$1,325
3	\$1,565	\$1,865
4 or more	\$2,000 plus \$435 each additional booth more than four	\$2,400 plus \$535 each additional booth more than four

Please print clearly.

Number of Booth(s) requested _____ Total Amount Due (according to fee schedule above) _____

Contact Person: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Zip code: _____

Telephone: _____ E-Mail: _____

Brief Description Please provide a brief description of the products and services to be exhibited _____

What's Included? Two 3' high side dividers and an 8' high backdrop, carpeting, a 2' by 8' skirted table, two chairs, booth number, a wastebasket and access to standard 120 volt AC outlets are available for each booth, at no additional cost.

Booth Choices Please indicate your preference of location. (Optional. Download the preliminary floor plan from the Joint Expo page on www.mi-water.org.)

1st location preference _____ 2nd location preference _____ 3rd location _____

Separation from Competitors Which companies do you NOT wish to be near? (Optional. No guarantees of placement are expressed or implied.)

Booth Arrangement If you are purchasing more than one booth, please indicate the preferred shape of your booth. There is no additional charge for this feature, although space constraints and booth assignments made prior to yours may impact our ability to accommodate your request. If you do not include the information here, exhibitors requesting multiple booths need to notify us of the desired arrangement by 5:00 PM on January 4, 2016.

Linear/in-line L-shaped Square Rectangle Island End cap

Cancellation Policy On or Prior to January 4, 2016; less \$250.00 non-refundable fee. No refunds after January 4, 2016.

Payment

My check or money order payable to MI-AWWA is enclosed. Please charge my Visa Master Card Discover American Express

Card No. _____ Expiration Date: _____ CW Number: _____

Cardholder Name: _____

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Billing City: _____ Billing State: _____ Billing Zip code: _____

Billing Telephone: _____ Billing E-Mail: _____

Terms and Conditions

We understand assignment of booths is done on a first-paid/first-served basis, after full payment is received. We understand and hereby agree that all exhibitors are subject to the requirements, restrictions, and conditions stated in the full exhibitor prospectus. I understand that it is my (the purchaser's) responsibility to communicate all rules and conditions to all employees and contractors representing my company during the show. By exhibiting at Joint Expo 2016, my company, its successors and assigns, hereby agree to save and hold harmless MI-AWWA and MWEA and any of its employees from all cost, injury, and damage incurred by any of the above, and from any other injury or damage to any person or property whatsoever, any of which is caused by an activity, condition, or event arising out of the performance, preparation for performance or nonperformance of any provision of this agreement by my company.

Signature _____ Date _____

Form is not valid without signature.

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MI-ACE 2016

The Michigan Section of AWWA is now seeking abstracts and presentation ideas for MI-ACE 2016.

Are you working on an interesting or challenging project? Have you found a way to solve a problem that you think others could benefit from? Did you just save your community money with a change you've made? The Annual Conference Program Committee would love to hear from you.

Topic ideas include:

- Asset management
- Corrosion
- Customer service
- Distribution
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- Information technology
- Management issues
- Operations and maintenance
- Pump maintenance
- Rate setting
- Research
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- Storm water management
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- Water sampling methods
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- Or your own fresh idea

Please visit the Section's Annual Conference page to submit your abstract or presentation idea.

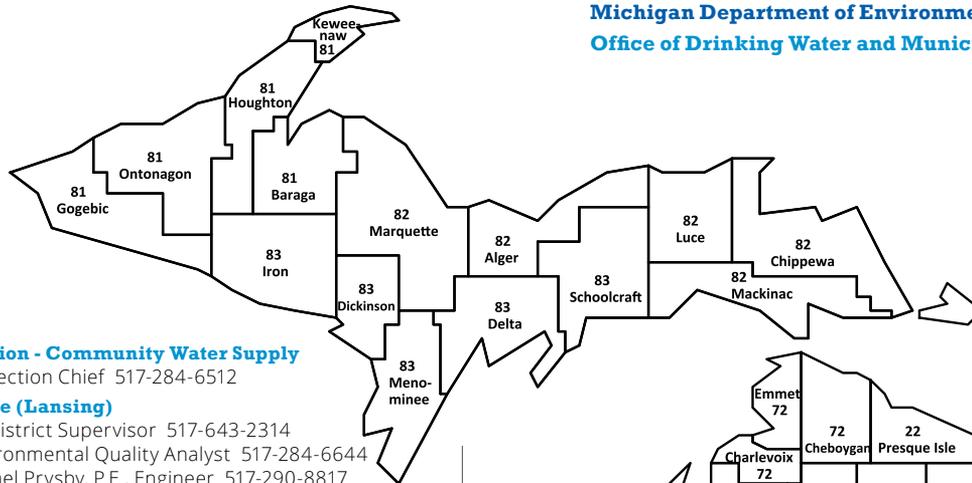
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COMMUNITY WATER SUPPLY PROGRAM

Michigan Department of Environmental Quality
Office of Drinking Water and Municipal Assistance



Field Operations Section - Community Water Supply

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Amy Lachance, District Supervisor 616-490-9590
Heather Bishop, Environmental Quality Analyst 269-330-9153
District 51 – Wood Chooi, P.E., Engineer 269-567-3611
District 52 – Gary Wozniak, P.E., Engineer 269-491-3107
District 54 – Katelyn Reyes, Engineer 269-216-1691
MHC* – Mark Kraenzlein, Environmental Quality Analyst 269-366-6667

Grand Rapids District Office (Grand Rapids)

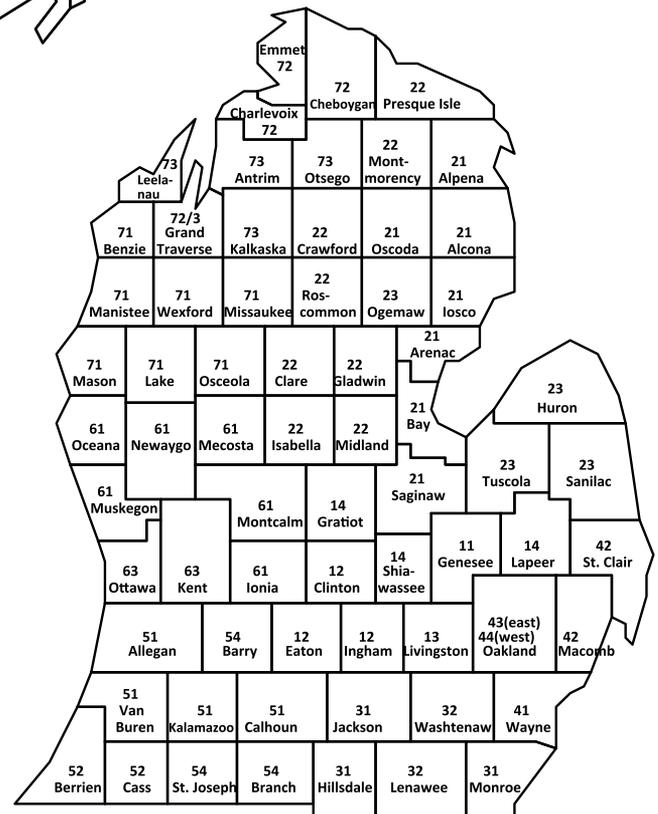
Amy Lachance, District Supervisor 616-490-9590
Jeremy Klein, Environmental Quality Analyst 616-250-1053
District 61 – Ernie Sarkipato, P.E., Engineer 616-307-0261
District 63 – Luke Dehtiar, P.E., Engineer 616-307-0322
MHC* – Brian Esparsa, Environmental Quality Analyst 616-307-0006

Cadillac District Office (Cadillac)

Jon Bloemker, P.E., District Supervisor 989-460-7254
Krista Robinson, Environmental Quality Analyst 231-876-4481
District 71 – Scott Conradson, Engineer 231-876-4461
District 72 – Brian Thurston, P.E., Engineer 231-590-3430
District 73 – Brad Slater, P.E., Engineer 231-876-4482

Upper Peninsula District Office (Marquette)

Chuck Thomas, District Supervisor 906-228-4514
John Clark, Environmental Quality Analyst 906-228-3902
District 81 – Doug Pascoe, P.E., Engineer 906-228-3903
District 82 – Michael Bolf, P.E., Engineer 906-630-4107
District 83 – Scott Swenor, P.E., Engineer 906-228-3905



Community Drinking Water Unit (Lansing)

Kristen Philip, Unit Chief 517-284-6518
Vacant, Water Treatment Specialist
Deborah Ostrander, Environmental Quality Specialist 269-491-4536
Holly Gohlke, Environmental Quality Specialist 989-705-3422

Source Water/Wellhead Protection

Brant Fisher, P.E., Environmental Engineer Specialist 517-284-6515
Jason Berndt, Environmental Quality Analyst 989-705-3420
Jean Shekter, Environmental Quality Analyst 517-284-6519
Wayne Kukuk, Geologist 517-284-6517

Operator Training & Certification

Paul Brun Del Re, Environmental Quality Analyst 517-284-5426
John Schmidt, Environmental Quality Analyst 517-284-5431
John Koenigsnecht, Environmental Tech 517-284-5430

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Community Water Website: www.michigan.gov/deq
Click on Water > Drinking Water > Community Water Supply

* MHC = Manufactured Housing Communities

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MI-AWWA EDUCATION AND TRAINING EVENTS – 2016

The Section has a wide variety of training opportunities available to help you achieve your professional development goals, maintain your license or acquire a higher-level license.

February

- 2-3** Joint Expo 2015 – Exposition, Operators Day, Infrastructure Finance Seminar
- 25** Cross Connection Seminar – Basic

March

- 1-3** Basic Math and Hydraulics Short Course
- 8-10** Short Course in Water Chemistry
- 15-17** Water Treatment Short Course I
- 22** Small Systems SDWA Workshop
- 23** Small Systems SDWA Workshop
- 29-31** Limited Treatment Short Course
- 29-31** Distribution Short Course

April

- 12** Spring Regional Meeting – Livonia
- 13** Spring Regional Meeting – Kalamazoo
- 13** Lab Practices Seminar (tentative)
- 20** Distribution Systems Practices Seminar
- 19-20** UP Water Works Institute – Marquette
- 26** Spring Regional Meeting – Mt. Pleasant
- 27** Spring Regional Meeting – Gaylord

May

- 10-12** Short Course in Water Bacteriology
- 18** Water Security Summit
- TBD** Small Systems Finance Workshop

June

- 19-22** AWWA ACE16 in Chicago
- TBD** Small Systems Conference

August

- 30-Sep 1** Basic Math and Hydraulics Short Course

September

- 7** Cross Connections Seminar – Advanced
- 13-16** MI-AWWA Annual Conference & Exhibits
- 27-29** Water Treatment Short Course II
- 27-29** Basic Math and Hydraulics Short Course

October

- 4** Fall Regional Meeting – Livonia
- 5** Fall Regional Meeting – Kalamazoo
- 11-13** Distribution System Short Course
- 11-13** Limited Treatment Short Course
- 18** Fall Regional Meeting – Mt Pleasant
- 19** Fall Regional Meeting – Gaylord
- 25-26** U.P. Distribution Seminar
- TBD** Asset Management Seminar
- TBD** Health and Safety Seminar

* Dates subject to change. Please check online for confirmed dates, times, and locations.

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ADDITIONAL TRAINING DESIGNED FOR SMALL SYSTEMS

Training designed to meet the unique needs small community water supplies face will be offered throughout the year. Keep your eyes on the calendar for more information. Priority complimentary registration is reserved for water professionals from small systems.

- Rate Setting Workshop with EFC
- Maintaining Compliance with the Safe Drinking Water Act with RCAP
- MI-AWWA Small Systems Conference

Check the Section website for all training details and to register: www.mi-water.org/events/event_list.asp



UPDATE YOUR PROFILE FOR THE MEMBERSHIP DIRECTORY

Again this year, we will be including the MI-AWWA Membership Directory in the Spring issue of *Michigan Water Works News*. This data will come directly from the Section database, but you must be an AWWA member with your own member number to be included in the directory. Please take a few minutes now to log in and update your profile.





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CHANGES TO THE TOTAL COLIFORM RULE

Revisions to the Total Coliform Rule (RTCR) take effect on April 1, 2016. Routine monitoring remains the same for all community water supplies, but may increase for many non-community water supplies.

The rule is intended to increase public health protection, identify fecal contamination, and identify and reduce potential pathways for contaminants to enter the distribution system. The rule uses a find-and-fix approach when E. coli or total coliform is detected in more samples than allowed. Owners and operators will play a more active role to assess their water supplies for possible deficiencies. If problems persist, a more extensive assessment will be conducted by regulatory staff, who will continue the find-and-fix approach.

In summary, the rule:

- Replaces the total coliform maximum contaminant level (MCL) with an evaluation process of the supply.
- Formalizes start-up procedures before each operating season for non-community water supplies that do not

serve the public year-round. Non-community water supplies should contact their local health department to determine if they are considered seasonal.

- Reduces the required number of repeat and additional routine samples for groundwater supplies serving 1,000 or fewer people.

Rest assured, however, these items have not changed:

- Routine number of samples is based on population served.
- Maximum contaminant level for E. coli remains, however, fecal coliform is no longer an indicator of acute contamination.
- Sample Siting Plan identifies sample locations and frequency. Supplies that need to update their plan will be notified by the DEQ or local health department.

For more information on RTCR, community supplies should contact their DEQ district staff, and non-community supplies should contact their local health department and visit the DEQ non-community program website at <http://www.michigan.gov/deqnoncommunitywatersupply>.

NEWS FROM THE FIELD ITEMS REQUESTED

Items are now being solicited for the next *News from the Field* program to be presented at the Michigan Section, AWWA Annual Conference in September. Digital photographs are the preferred format. This is your opportunity to highlight your interesting and innovative water supply projects. **Providing a detailed narrative, along with pictures that includes project description, contractor, costs, and benefits** may prevent the NFTF editors from interpreting the project as they see fit. Pictures can be submitted in .jpeg or .gif format, or can be submitted in a PowerPoint presentation along with notes. Narratives can be submitted in Word or via email.

Please make sure the narrative matches up and describes the picture(s). **You are encouraged to provide project submittals any time prior to August 15**, to ensure inclusion in this year's program.

Please send your submittals or questions to:
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matt.parks@ohm-advisors.com

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MI-AWWA SPRING REGIONAL MEETINGS

April brings the spring thaw and the Section's traditional regional meetings. These training events are held throughout the state and focus on treatment, and other aspects of operating a community water supply system.

- April 12**
Livonia, Laurel Manor
- April 13**
Kalamazoo, Fetzer Center
- April 19 - 20**
Marquette, Ramada
UP Waterworks Institute
- April 26**
Mt. Pleasant, Comfort Inn
- April 27**
Gaylord, Otsego Club



Register online at www.mi-water.org

HALL OF FAME NOMINATIONS SOUGHT

Established in 2013 by the Michigan Section, American Water Works Association (MI-AWWA), the purpose of the **Michigan Water Industry Hall of Fame** is to perpetuate the memory of those drinking water heroes who have made the most significant contributions to the field of public water supply in the state of Michigan.

Criteria

To be eligible for the award, a candidate should be beyond the age of 60 and have achievements, character, and professionalism that are well established. Contributions to the water supply profession may have been in any of the disciplines of the field. The award may be awarded posthumously.

Nominations

Nominations are accepted between January 1 and March 31 of each year. Inductees are announced at the Section's Annual Conference.

If you know of a worthy candidate, please contact staff, or any member of the Historical Preservation Committee, for more information on how to make a nomination.

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2016 FLUORIDATION EQUIPMENT GRANT RELEASED

By Sandy Sutton

Fluoridation of a community water system is one of the most cost-effective and efficient ways to reduce dental disease in a population. For 70 years, research has proven community water fluoridation to be a safe and effective way of improving the oral health of the community's citizens.

The Michigan Department of Health and Human Services Oral Health Program is once again promoting community water fluoridation through a grant available to community water systems. A generous gift from Delta Dental of Michigan helps fund this project.

More than seven million people in Michigan benefit from community fluoridated water. For those systems currently wishing to initiate or continue this basic public health practice in their communities, the Michigan Department of Health and Human Services Oral Health Program is providing grants to assist with the cost of purchasing and installing fluoridation equipment. The requests are limited to \$24,000. The funds must be used for new or replacement fluoridation equipment purchased in the contract period April 1, 2016, through September 15, 2016. A Letter of Intent is due January 29, 2016, with the proposal/application due February 5, 2016.

Several Michigan communities have had challenges this past year maintaining their fluoridation program; this grant could help with efforts to continue this evidenced-based public health measure.

The RFP was released October 28, 2015, and is available for download. Go to www.michigan.gov/oralhealth and click on Community Water Fluoridation.

Information will also be available on the Bid4Michigan grant website: <http://www.govbids.com/scripts/Bid4Michigan/public/OpenBids/ViewSolicitations.asp>

For the application and further information contact:
Sandy Sutton, Fluoridation Coordinator
Michigan Department of Health and Human Services,
Oral Health Program
suttons2@michigan.gov
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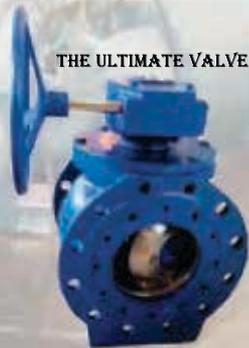
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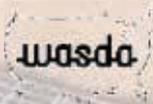


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