American R/D

66” Rotating Disk Gate installed at DWSD Plant pressure tested to 500 PSI

“When reliability is required, use Metal Seated Rotating Disc Gate Valves for Water or Sewer. Proven reliability since 1908”

Contact JGM for all your valve needs including American R/D Gate valves 3” – 108”

JGM Valve
1155 Welch Road, #D
Commerce, MI 48390

(248) 926-6200
jgmvalve.com
contact@jgmvalve.com
In all that we do, our commitment to quality is clear. From the experience of our skilled craftsmen to our command of the latest technologies, we stand apart from the competition. We take customer service very serious, and work hard to prove it everyday.

That’s why when it comes to water supply contracting and hydrogeologic services...WE’RE PEERLESS.

www.peerlessmidwest.com

Mishawaka, Indiana 574.254.9050
Ionia, Michigan 616.527.0050
Indianapolis, Indiana 317.896.2987
Grand Blanc, Michigan 248.996.2721
Our Pressure pipes are made to meet the highest standards – yours.

Built to last. Built to outlast.
For more 70 years, Forterra Pressure Pipe has been the leading manufacturer and a principal supplier of highly engineered concrete and steel pipe systems in the United States and Canada with more than 80 million feet of pipe in service today. Companies such as regional water authorities and districts, federal and state agencies, the Army Corps of Engineers, port authorities, private and industrial clients have trusted us to handle their most demanding jobs.

As one of the largest manufacturers of concrete products in North America, you can expect the highest standards whenever you see the Forterra name.

To find out more, visit forterrabp.com.
If any of you reading this saw me give my speech at the Michigan Section Annual Conference last September, which began my year as Chair of the Michigan Section, I ended by saying that people had been asking me all week if I was ready for my year as Chair. I ended my speech in fun by crowning myself “Queen of Water” and yelling out “Yes, I am ready!” The crown has afforded me the opportunity to bring a little fun to our Section activities and a lot of teasing has been directed back at me. Anyway, as I ended my speech back in September, I really did think I was ready. Little did I know that one of the most serious water crises in modern U.S. history would unfold right here in Michigan. Because Michigan is surrounded by the Great Lakes and the largest supply of fresh water at our borders, we are not used to worrying about water as people in many other parts of the country and the world are, due to drought, lack of good quality water supplies, and the means to treat and deliver this water to people safely and affordably.

As those of us who work in the water industry have watched the events surrounding the City of Flint water crisis unfold, I am reminded of other crises involving public water systems. The London cholera outbreak in 1854 killed 500 people in ten days. A shallow well on Broad Street was found to have been contaminated by human sewage disposed near the well. London, at the time suffered from lack of sanitation facilities and treatment of human waste. This incident defined the need for adequate isolation and protection of water supplies. In 1993, an outbreak of Cryptosporidiosis made 400,000 people in Milwaukee ill and caused over 50 deaths. At the time, the Cryptosporidium parasite was not something that water treatment plants even looked for. Water suppliers learned that additional filtration and disinfection procedures were needed. An E. coli outbreak in Walkerton, Ontario in May 2000, caused almost half the population of 5,000 to become ill and seven died as a result. The circumstances surrounding this incident defined the need for vigilant monitoring and reporting of test results. As water travels swiftly through water distribution systems, so do outbreaks travel swiftly through the populations that use the water. We learned lessons from each of these incidents that have made our water systems stronger and more reliable. We also learned the importance of working together with public health professionals.
to quickly identify when something has gone wrong.

In an eerily similar situation to the Flint crisis, a change in treatment in the Washington DC water supply in 2002, led to increased corrosion of lead service lines and release of lead into the tap water from them. It was estimated there were over 20,000 lead service lines at the time. Although many of these lead service lines have been replaced at a cost of many millions of dollars, lead and its impact to the population, especially in children exposed at the time, are still being researched and discovered. While there are many other sources of lead that people are exposed to, there is thought to be no safe level of exposure to lead in young children.

With the advent of public drinking water systems, the incidence of waterborne diseases have decreased dramatically and saved countless lives. The fire protection that comes along with these systems has also dramatically reduced loss of life and property damage. And yet all of the incidents noted above remind us of the impact that our public water supply has on our daily lives. While we are fortunate to be able to turn on our faucets and have plentiful, clean, safe drinking water, we must remain vigilant to keep it so and to prevent other disasters from occurring. As discussed in many reports, our infrastructure has aged beyond its useful life. The current crisis in Flint reminds us of this daily.

So let us learn from this crisis. We need to restore confidence in safe drinking water and we need all those working in the profession to help. As you will read in this issue of Water Works News, and see in various announcements from the Michigan Section and the Association, we intend to become stronger as an industry by working together, sharing knowledge and offering high quality training for all water industry professionals.

While I was not ready for the events that have taken place this year, with the support of all of the volunteers that we have working in the Section, I believe our profession will emerge stronger than ever. I encourage each of you to become involved, stay vigilant in your work and promote SAFE DRINKING WATER!
that support infrastructure needs is paramount. While this seems obvious, the majority of utilities through the country are not funding depreciation of their assets and therefore do not have the financial resources to reinvest in the aging and failing infrastructure. But, how do you raise rates in communities where a significant percentage of the population lives below the poverty level? In concert with developing sustainable rates, utilities must be developing affordability plans for those customers in need. AWWA’s publication “Thinking Outside the Bill” provides guidance for utilities on assisting low income water customers.

The third item of critical importance, which really is at the top of the list, is protection of public health. Water utilities around the country produce over 400 billion gallons of treated water each day of exceptional quality. Community water supplies serve approximately 200 million people in the United States and in the last recorded year of data from the Center for Disease Control, there were approximately 400 cases of waterborne illness. This rate is at a record low and sets the standard for the world. Lead poisoning is a serious health issue that deserves attention. While the overwhelming majority of lead poisoning comes from lead paint and dust, primarily in residential homes, lead in water surely should be part of the conversation. These are the challenges that we face as professionals in the water profession. It is our role to steer the conversation. I encourage you, as leaders, to spread these messages, for the benefit of our future.

The situation in Flint is tragic. Without exception, people across the State and Country support Flint in their quest for safe drinking water. AWWA has tried to be at the forefront of the support for Flint by funneled members interested in providing aid to the well-organized relief efforts put in place. The Michigan Section of AWWA has hosted a Water Utility Summit in January, which was attended by 48 people representing 21 utilities from around the State to talk about media challenges, technical challenges, and sampling procedures, and to receive an update of the revision of the Lead and Copper Rule by AWWA’s regulatory expert Steve Via from Washington, DC. The Michigan Section plans on hosting additional events in the Spring/Summer of 2016 in response to members’ requests on how to develop a lead service line replacement program and alternatives for funding and implementing such a program. The situation in Flint is dynamic, with new issues arising almost daily. The focus of AWWA has been, and will continue to be, helping to pave the way for a sustainable, reliable, and quality-focused future for the water industry. We will get through this crisis, as we have others, and the water industry will be the better for it.
Water operators and engineers rely on GridBee® electric and air-powered mixers and SolarBee® circulators to help reduce operating costs, achieve better compliance and improve water quality. Factory field service available.

Call us today for prompt, friendly service and fast, reliable results. 1-866-437-8076
EXECUTIVE DIRECTOR’S MESSAGE

COLLABORATING TO SIGNIFICANTLY IMPROVE

BONNIFER BALLARD, EXECUTIVE DIRECTOR

I have come to love the water industry. I feel privileged to be a part of this community. Part of my learning about the industry was the role that water professionals play in safeguarding public health. (If you haven’t watched the video on the history of AWWA, I highly recommend it – very inspirational. http://www.awwa.org/about-us/history.aspx) So for months, I have watched the situation in Flint unfold with a sense of surreal disbelief. I would bet that most of you know that our industry will never be quite the same.

Rest assured, the Section and the Association have been busy on your behalf. You’ll read from the Director and Chair about some of the actions AWWA has taken. Our focus has been and will remain laser focused on advancing water knowledge to help water professionals protect public health. There are a number of trainings being offered throughout 2016 to help enhance all of our understanding of corrosion control and the rules around lead and copper. But another function of AWWA, one of the more remarkable aspects I think, is the power of collaboration.

Being a part of AWWA provides water professionals access to a vast about of resources including publications, standards, trainings, and research. What I find most compelling though is the coming together of water professionals to learn from each other, to share their experiences, and to collaborate to create an environment most conducive to providing clean, safe drinking water.

In January and again in March, the Section held Water Summits revolving around the LCR and lead line replacement. These were half-day forums that used proven best practices in adult learning: providing some delivery of content with facilitated discussions to help participants learn from each other. (These Summits were in direct response to the lead in drinking water issue, and resulted in the Workshop scheduled for May 6.) We’re still working out the kinks, but it was inspiring to hear the discussions onsite and to read the feedback from these sessions. You will definitely be seeing more Water Summits in the future.

These are turbulent times. As communities across the country grapple with how best to address infrastructure needs, customer concerns, and a lack of confidence in their water supply, we as water professionals come together to support one another through lively discussion, pointed challenging, and collaborative sharing. This collaboration through our existing and growing professional networks is what leads to significant improvement.
Our group was invited to give a presentation in Berrien Springs to the Berrien Regional Education Service Agency (RESA)’s joint meeting of its Career Technical Education Directors and Counselor Academy on October 22, 2015. Shane Peters, Superintendent of Bridgman Public Schools worked with the task force (consisting of myself and Gary Wozniak, MDEQ Kalamazoo District Engineer) during the summer to develop a PowerPoint presentation on careers as an operator at a water/wastewater plant. Gary volunteered to give the presentation to the group, emphasizing that a four year college degree is not required for the job. He pointed out that it is the type of job that appeals to students who like to work with their hands and not be tied to a desk. Many of these jobs are municipal, offering long-term employment with good benefits. Also available to counselors was a handout detailing the wide variety of careers in the water industry, from pipe fitters to hydrologists! This group seemed to be an ideal target audience so the task force will attempt to set up a presentation to a similar group in another area of the state. Gary has graciously made his presentation available to anyone in our organization who would like to modify it to present to another group (anyone interested can email me at tpawlak@hollandbpw.com and I will send you a copy of the presentation). Many students don’t realize the variety of careers available in the water environment industry and our task force hopes to increase such awareness in both high school and college students.

MICHIGAN SECTION AWWA NEEDS YOU!
Nominations Solicited for the Michigan Section Board of Trustees

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
- Trustees – one for one-year term
- Secretary Treasurer – three-year term

Self and peer nominations are both encouraged. Please also note the bylaws of the Section indicate that one of the Board members should be from the Upper Peninsula of Michigan and one should be either from 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 ethnic origins.

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.

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 St Ste 2500 Detroit, MI 48226 E-mail: 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.
A flurry of proposed legislation, the Flint water crisis and annual planning and budgeting has kept the Government Affairs Council busy these last few months! To help achieve our mission, we have put together a summary spreadsheet of proposed legislation. This is merely an overview of relevant proposed legislation; although there is a column titled “primary impact”, the document is not meant to be a detailed analysis of individual bills or a position paper. We’ll update this as needed as a way to keep our members informed, and will develop position papers on issues if they gain traction. You can find the document at http://www.mi-water.org/?page=LegReg.

Another goal of the Council is advocacy at the state and federal level. We’ll send delegates to Washington in April 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 year is to solidify a list of members who are willing to assist in making legislative visits at the local level and to our position on legislative issues facing the drinking water industry. At no time in recent history has our need for volunteers been greater. Currently there are many drinking water issues that either have proposed legislation or where legislative action is anticipated in the very near future, and we need to be prepared to speak with our legislators about these issues.

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.
The Asset and Infrastructure Management 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

In this series of articles we have been discussing the various stages of asset management. In many cases a substantial amount of effort will be invested in areas such as asset inventory, infrastructure evaluation, and project criticality. After this information is fully developed, the intention is to produce an Asset Management Financial Plan. In the long term, this financial plan will be used to set rate and fund management policy. In the short term, it will be used to fulfill certain requirements of the SAW grant program including funding the “gap” in rates by identifying the potential shortfall in revenue support for asset investment.

Rate and fund management over a forecasted period of time is the objective of the Financial Plan. The Asset Management data developed by the community’s staff and consulting engineers must be transformed into a strategic business plan designed to sustain the utility in the most efficient and cost effective manner. One of the primary results of the engineering review and compilation for the Asset Management System will be identifying the estimated asset investment cost by year. This becomes the key element of the Financial Plan. Other information needed to develop a Financial Plan includes financial reports, customer data, current rate structure, and fund balances.

Historical operating expenses are reviewed using audit and budget information. A “Test Year” is developed that reflects a baseline operating cost. The customer base must be reviewed, including the number of billable customers and volumetric sales. The accuracy of this data is verified by applying it to the current rate structure and compared to “Test Year” revenue. In addition, there are other
various revenues, which will be taken into consideration.

Assumptions must be made regarding the customer base through the forecasted period. The operating cost must be projected, in part based on anticipated inflation by expense category. Existing annual debt service by debt issue is input. Finally, the annual asset investment cost identified by the Asset Management System is added to the forecast. The annual asset investment cost will need to be evaluated and scenarios developed for cash funding and debt financing. Funding asset investment from cash balances must be weighed against potential efficiency of grouping certain cost together for purposes of financing. A critical aspect of planning is solving, not just to user rates, but to a targeted cash and investment balance.

Successful rate management can be accomplished with more than one approach as to rate structuring and rate adjustment timing. The elements of a rate structure, including the proportion of revenue generated from ready to serve and commodity charge may be determined by allocation of fixed and variable cost, and other customer base characteristics. It will be necessary to develop scenarios that meet policy goals as well financial objectives.

For many communities, this final process of forecasting will mean multiple meetings with policy makers due to decision making as to the timing, degree, and type of funding over a lengthy forecasted period. Unlike capital improvement plans that usually project 5 years, the Asset Management Financial Plan may be as much as 20 or 30 years or more. This forecasting is not intended to give definitive rates for that entire period, but rather it provides the basis for policy making in relation to user rate, utility fund, debt issuance, and cash balance management in addressing asset investment.

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, Jennifer Drinan at jennifer.drinan@ohm-advisors.com, or Deann Falkowski at defalkowski@ftch.com.

Worldwide research and collaboration gives EJ the edge in creating the best infrastructure solutions—with a focus on safety, functionality, and ergonomics.

Learn more at ejco.com or 800 626 4653
JOIN THE HYMAX LEGACY.
OVER A MILLION OF SUCCESSFUL INSTALLATIONS THROUGHOUT THE U.S.

HYMAX GRIP.
THE TEETH MAKE THE DIFFERENCE.

HYMAX VERSA.
VERSATILE STAINLESS STEEL COUPLING.

Nominal Pipe Size 1.5” - 12”
- The ultimate wide-range restraint coupling
- Patented extra-strength gripping system
- Restrains metal and plastic pipes

Nominal Pipe Size 1.5” - 70”
- Unique wide-range wrap-around coupling
- Exceptionally durable
- Excellent for hot soil conditions

www.krauszusa.com

PURE
engineering results

Fishbeck, Thompson, Carr & Huber, Inc.
engineers | scientists | architects | constructors
800.456.3824 | ftch.com
Dan Campbell
Aliagen County Facilities Management member since 1998
Allegan, MI
269-686-4612

Ellen R. Campbell
Nitrate Elimination Co., Inc. member since 1995
Lake Linden, MI
906-296-1000

Eric J. Campbell
member since 1995
Mackinaw City, MI

Hugo Cardenas
Waterford Department of Public Works member since 2011
Waterford, MI
248-618-7456

Brian K. Cardinal
Cardinal Utilities Dept. member since 1988
Cadillac, MI
231-775-7671

Matthew J. Carey
Cugalon Water Conditioning member since 1991
Lansing, MI
517-393-1900

Gerald H. Caron
member since 1981
Holland, MI

Mike Carr
Therman-Stor, LLC member since 2001
Madison, WI

Ronald E. Carr
City of Grandville member since 1991
Grandville, MI
616-538-1990

James M. Carroll
East Lansing Meridian Water Auth. member since 1991
East Lansing, MI
517-337-7535

Carrollton Township member since 2000
Saginaw, MI

Scott Carruthers
City of Troy, Mich. member since 2014
Troy, MI

David Carson
Village of Bayne Falls member since 1988
Bayne Falls, MI
231-675-7430

Randy Allen Carter
Sparta Water Department member since 1996
Sparta, MI
616-887-0854

Warren A. Carter
Emergencies member since 1987
Cedarburg, WI
262-377-6360

Thomas A. Casari
Northville Township Dept. of Public Services member since 1993
Northville, MI
734-394-5163

Andrew C. Case
member since 1997
Saint Clair Shores, MI

City of Caseville member since 1989
Caseville, MI
989-856-4407

cassel@caseville.org

Jeff Castro
Ipsilanti Community Utilities Authority member since 2006
Ipsilanti, MI
734-484-4649

Wayne Caverly
City of Rose City member since 2016
Rose City, MI
989-942-6261

Nolan Chapman
City of Portage member since 2008
Portage, MI

Alando V. Chappell
Lansing Board Water & Light member since 2013
Lansing, MI
517-242-6797

Joseph Charles II
City of Monroe member since 1997
Newport, MI
734-755-6442

City of Lorain member since 1905
Lorain, MI
517-543-8858

Siyng Chen
Masco Corp. member since 2014
Taylor, MI
313-792-4359

Michael Cheshier
member since 1981
Grandville, MI
616-456-4096

Chesterfield Township Water member since 1966
Chesterfield, MI
586-949-0400

James Cheyne
City of Novi member since 2003
Novi, MI
248-735-5640

Victor H. Chichester
member since 1981
Midland, MI

Chikaming Township Water Dept. member since 1978
Harbert, MI
269-469-1676

Alex Chipomuras
MHOG Water Treatment Plant member since 2002
Howell, MI
517-545-5098

Glen M. Chinavare
City of Owosso Water Department member since 1997
Owosso, MI

Thomas Chinchak
member since 2004
Dearborn, MI
313-943-2395

Kevin Christian
McWane Ductile member since 2015
Dexter, MI

Laura Ann Churhan
member since 2000
Jackson, MI
517-769-3604

Bradley B. Cittel
Bridgeport Charter Township member since 1991
Bridgeport, MI
989-777-0940

City of Clare Water & Wastewater member since 1996
Clare, MI
989-386-2321

Bruce Clark
Addison Water Department member since 1980
Addison, MI
517-517-4650

Dale R. Clark
City of Clare Water & Wastewater member since 2014
Clare, MI
989-386-2321

Ken Clark
ClarkTech, Inc. member since 2005
Fenton, MI
810-632-9280

Patsy S. Clark
Patsy S. Clark & Associates member since 1987
Grand Rapids, MI
616-954-3835

City of Clason member since 2013
Clason, MI
248-288-3222

James K. Cleland
Michigan Dept. of Environ. Qual. member since 1969
East Lansing, MI
517-241-1287

Timothy J. Clement
Plainfield Township Water Plant member since 1999
Grand Rapids, MI
616-364-7174

Gail Cloow
Hilldale Bd. of Public Util. member since 2014
Hilldale, MI

Donald M. Coddington
Chesterfield Township Water member since 2012
Chesterfield, MI
586-949-0400

Coldwater Board of Public Utilities member since 1971
Coldwater, MI
517-279-9531

Stephen J Cole
Great Lakes Commission member since 2015
Ann Arbor, MI

Mark M. Coleman
Wade Trim Associates Inc member since 1981
Detroit, MI
313-961-3650

Martin C. Collins
Village of Beverly Hills member since 1996
Beverly Hills, MI
248-644-6404

Michael Collins
United Water - City of Alpena WTP member since 2009
Alpena, MI
989-356-0757

Kevin Collins
member since 2015

City of Coloma member since 1977
Coloma, MI
269-468-6006

Michael E. Comstock
Kotchville Township member since 2014
Saginaw, MI

Salvatore Congiagio
City of Sterling Heights member since 2009
Sterling Heights, MI
586-446-2441

Karen Converse
DWSD member since 2008
Taylor, MI

Colleen Coogan
City of Walled Lake member since 2015
Walled Lake, MI
248-624-4847

Christopher James Cook
Abnonamarche Consultants, Incorporated member since 1995
Benton Harbor, MI
269-927-2295

Patrick Cook
Michigan DEQ member since 1988
Lansing, MI
517-284-6514

Ray Cook
Silversmith Inc. member since 2015
Gaylord, MI

Rob Cook
Lime and Gypsum Products, Inc. member since 2014
Vermontville, MI
517-726-1492

William J. Cooper
Zeeland BW member since 2011
Zeeland, MI
616-772-6212

Alisha Cooley
Fluid Development Company member since 2015
Monroe, MI
734-241-3935

Roger Cooley
Wade Trim member since 2004
Taylor, MI
734-947-9700

Brad M. Cooper
City of Petoskey member since 2007
Petoskey, MI
231-348-0368

Vctor L. Cooperwasser
Tetra Tech member since 1992
Ann Arbor, MI
734-520-1878

Aaron Coppersmith
Holland Charter Township member since 2007
Holland, MI
616-396-1891

William Corsaut
O. G. Corsaut Inc. member since 2001
Oak Park, MI
248-541-1117

Jason Coslow
Tetra Tech member since 2008
Holt, MI
517-694-0414

Mindy Costello
KSP International member since 2001
Ann Arbor, MI
734-769-0109

Harland D. Couillard
U.P. Concrete Pipe Company member since 1990
Escanaba, MI
906-786-0934

Brian K. Cowham
City of Battle Creek member since 2002
Battle Creek, MI
269-966-3493

Barry Cox
City of Sturgis member since 2004
Sturgis, MI
269-659-7249

Carrie Cox
member since 2006
Auburn Hills, MI
248-659-0678

Robert Cox
City of Auburn Hills member since 2010
Auburn Hills, MI
248-391-3777

Senna Cox
City of Troy member since 2016
Troy, MI

Susan Elaine Craft
member since 1997
Lyons, MI
989-855-2513
Loren D. Crandell
Giffels Webster Engineers
member since 1998
Birmingham, MI
248-852-3100

Jennifer Crooks
U.S. EPA Region 5
member since 2011
Chicago, IL
312-886-0244

Emily Marie Crossette
Ypsilanti Community Utilities Authority
member since 2006
Ypsilanti, MI
616-527-5786

Jerry Culman
Leelanau County
member since 2007
Suttons Bay, MI
231-256-8160

David Cunningham
City of Ionia-Up
member since 2012
Ionia, MI
616-527-5786

James Daily
American Flow Control
member since 2009
Fishers, IN
317-345-8450

Dake Couplings
member since 1996
Grand Haven, MI
800-866-4423

Robert L. Dalzell
Northport Point
member since 2000
Northport, MI
810-694-9434

Jerry Culman
Leelanau County
member since 2007
Suttons Bay, MI
231-256-8160

David Cunningham
City of Ionia-Up
member since 2012
Ionia, MI
616-527-5786

Lois A. Carter
City of Southfield
member since 2010
Southfield, MI
313-731-1364

Wendy L. Daniel
Southfield, MI
member since 2011
Southfield, MI
313-731-1364

Michael F. Crowley
Michigan Pipe & Valve - Traverse
member since 2006
Traverse City, MI
231-533-9072

John Crumb
City of Gladwin
member since 2000
Gladwin, MI
989-652-8987

Emily Marie Crossette
Chicago, IL
member since 2011
U.S. EPA Region 5

Jennifer Crooks
Birmingham, MI
member since 2014
Michigan Pipe & Valve - Traverse

Michael F. Crowley
Michigan Pipe & Valve - Traverse
member since 2006
Traverse City, MI
231-533-9072

John Crumb
City of Wyoming
member since 2000
Wyoming, MI
616-355-1647

Keenan Crump
Ypsilanti Community Utilities Authority
member since 2006
Ypsilanti, MI
616-527-5786

Loren A. Cureton
Clyde Township
member since 2005
Clyde, MI
586-255-8212

Loren A. Cureton
Clyde Township
member since 2005
Clyde, MI
586-255-8212

Douglas L. Curtis
Silverman Inc.
member since 2014
Gaylord, MI
877-732-8988

Dr. Mark Daifuku
Oakland County
member since 2016
Waterford Township, MI
616-866-4423

Joshua Dang
Southfield, MI
member since 2010
Southfield, MI
313-731-1364

Derek Diederich
Waterford Township Water & Sewer
member since 1998
Waterford, MI
248-618-7465

David Deboyer
City of Mount Clemens
member since 2012
Mount Clemens, MI
586-255-8212

M. DeGrand
Oakland County
member since 2011
Waterford Township, MI
616-866-4423

Robert L. Dalzell
Northport Point
member since 2000
Northport, MI
231-396-7277

Mark DeMore
Rome Industries
member since 2000
East Jordan, MI
734-516-2860

Terry Daniel
Detroit Water & Sewerage Department
member since 2010
Detroit, MI
313-522-6349

Brian Dara
Detroit Water and Sewerage Department
member since 2015
Detroit, MI
313-926-8125

Michael Darga
Hubbell Ruth & Clark
member since 2002
Howell, MI
248-454-6532

Aaron Davenport
member since 2005
Battle Creek, MI
269-353-9650

Timothy G. Davidek
Genesee County Water & Waste Services
member since 2001
Flint, MI
810-732-7870

Steve Davidson
Village of Shepherd
member since 1997
Shepherd, MI
989-828-5062

James H. Davies
Jim Davies Sales
member since 1977
Grand Rapids, MI
616-942-5408

Ralph Derouen
United Water
member since 2011
Southfield, MI
517-373-6364

Kristen Dell
member since 2016
Dimondale, MI

Delta Charter Township
member since 1973
Lansing, MI
517-323-8540

Susan Dening
Morris County Water Commission
member since 2002
Morristown, NJ
973-359-7788

Thomas J. DeLaura
Delaura Consulting
member since 2010
Ann Arbor, MI
734-222-5600

James Daily
American Flow Control
member since 2009
Fishers, IN
317-345-8450

Keenan Crump
Ypsilanti Community Utilities Authority
member since 2006
Ypsilanti, MI
616-527-5786

Loren A. Cureton
Clyde Township
member since 2005
Clyde, MI
586-255-8212

Derek Diederich
Waterford Township Water & Sewer
member since 1998
Waterford, MI
248-618-7465

Adam DeYoung
Moore & Bruggink Inc
member since 2015
Grand Rapids, MI
616-363-9801

Rory Dickey
City of St. Joseph
member since 2012
Benton Harbor, MI
269-989-1240

Derek Diederich
Waterford Township Water & Sewer
member since 1998
Waterford, MI
248-618-7465

David Dien
City of Essville
member since 2014
Essexville, MI
989-893-7192

Jeffrey Michael Dietlin
Cadillac Utilities Department
member since 1997
Cadillac, MI
231-775-0181

Darren R. Dimma
Vesla North America
member since 2001
Lansing, MI

Bob Dion
City of Bay City
member since 2014
Bay City, MI
989-894-8320

Michael Dittmar
City of Westland
member since 2013
Westland, MI
734-467-3245

William J. Dixon
Dixon Engineering, Inc.
member since 1980
Lake Odessa, MI

Dixon Engineering, Inc.
member since 1987
Lake Odessa, MI
618-374-3221

Steven P. Dlabuca
Michigan American Water
member since 1999
Calumet, MI
906-337-3502

Jonathan Dimitruk
City of Wyoming Utilities Department
member since 2012
Holland, MI
616-399-7844

David W. Dmytryka
Dmytryka Jacobs Engineers
member since 1995
Toledo, OH
419-380-4900

Lee E. Doan
member since 1997
Fenton, MI
810-629-8757

John Dobson
Mount Clemens Utility Dept.
member since 2002
Mount Clemens, MI

Dean Dodgson
member since 2010
Grand Rapids, MI
216-262-7775

RETURN TO TABLE OF CONTENTS
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>City</th>
<th>Years as Member</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>William D. Dooley</td>
<td>City of Wyoming</td>
<td>Holland, MI</td>
<td>1986</td>
<td>616-399-6351</td>
</tr>
<tr>
<td>Chad Doornbos</td>
<td></td>
<td>Allendale, MI</td>
<td>1999</td>
<td>616-895-6078</td>
</tr>
<tr>
<td>Omer L. Doran</td>
<td>Germfask Water Department</td>
<td>Germfask, MI</td>
<td>1996</td>
<td>906-586-9697</td>
</tr>
<tr>
<td>Jon H. Dowling</td>
<td>City of Jackson</td>
<td>Jackson, MI</td>
<td>2001</td>
<td>517-788-4160</td>
</tr>
<tr>
<td>John Dowson</td>
<td>Highland Treatment, Inc.</td>
<td>Highland, MI</td>
<td>2000</td>
<td>248-889-1922</td>
</tr>
<tr>
<td>Terry T. Drenth</td>
<td>Village of Ellsworth</td>
<td>Ellsworth, MI</td>
<td>1988</td>
<td>231-588-6071</td>
</tr>
<tr>
<td>Michael T. Drewyor</td>
<td></td>
<td>Houghton, MI</td>
<td>1990</td>
<td>906-370-2984</td>
</tr>
<tr>
<td>Jennifer Drinan</td>
<td>Greely &amp; Hansen</td>
<td>Detroit, MI</td>
<td>2014</td>
<td>313-886-0020</td>
</tr>
<tr>
<td>Kris Driver</td>
<td>East Lansing-Michigan Water</td>
<td>East Lansing, MI</td>
<td>2009</td>
<td>517-337-7535</td>
</tr>
<tr>
<td>Steve Drotoz</td>
<td>City of Rochester</td>
<td>Rochester, MI</td>
<td>2014</td>
<td>517-337-7540</td>
</tr>
<tr>
<td>Patrick M. Droze</td>
<td>Orchard, Hiltz &amp; McClinten</td>
<td>Livonia, MI</td>
<td>2013</td>
<td>734-522-6711</td>
</tr>
<tr>
<td>Stephen Dubay</td>
<td>City of Hazel Park</td>
<td>Hazel Park, MI</td>
<td>2006</td>
<td>248-542-0340</td>
</tr>
<tr>
<td>Christopher A. DuBerg</td>
<td>City of Hazel Park</td>
<td>Hazel Park, MI</td>
<td>2006</td>
<td>248-542-0340</td>
</tr>
<tr>
<td>Kenny Dudzic</td>
<td>Huron Township</td>
<td>New Boston, MI</td>
<td>2007</td>
<td>734-216-6890</td>
</tr>
<tr>
<td>Sally Duffy</td>
<td>Hubbell, Roch &amp; Clark, Inc.</td>
<td>Bloomfield Hills, MI</td>
<td>2014</td>
<td>248-454-6583</td>
</tr>
<tr>
<td>Clyde R. Degan</td>
<td>East Lansing-Meridian Water</td>
<td>East Lansing, MI</td>
<td>1985</td>
<td>517-337-7535</td>
</tr>
<tr>
<td>Jeffrey A. Dunlap</td>
<td>City of Niles Utilities Dept.</td>
<td>Niles, MI</td>
<td>2014</td>
<td>616-683-4700</td>
</tr>
<tr>
<td>Bruce Dunn</td>
<td>City of Harrisville</td>
<td>Harrisville, MI</td>
<td>1996</td>
<td>989-724-6666</td>
</tr>
<tr>
<td>Jeffrey Duprey</td>
<td>Village of Grosse Point</td>
<td>Madison Heights, MI</td>
<td>2002</td>
<td>313-886-0020</td>
</tr>
<tr>
<td>Kevin Dupuis</td>
<td>Ypsilanti Community Utilities</td>
<td>Ypsilanti, MI</td>
<td>2012</td>
<td>810-903-7124</td>
</tr>
<tr>
<td>James Dusenberg</td>
<td>US Army TARDEC</td>
<td>Warrens, MI</td>
<td>2016</td>
<td>517-337-7540</td>
</tr>
<tr>
<td>Terry Eagle</td>
<td>Springlake Condominium</td>
<td>Petoskey, MI</td>
<td>2005</td>
<td>231-348-2920</td>
</tr>
<tr>
<td>Douglas Earles</td>
<td>North Star Water Management, LLC</td>
<td>Farmington, MI</td>
<td>2014</td>
<td>248-563-2737</td>
</tr>
<tr>
<td>Zachary Earp</td>
<td>Oakland County Water ResourcesCommissions Office</td>
<td>Waterford, MI</td>
<td>2015</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
<tr>
<td>East China Water</td>
<td>Filtration Plant</td>
<td>Waterford, MI</td>
<td>1997</td>
<td>734-728-1770</td>
</tr>
</tbody>
</table>
Michael D. Grenier
City of Muskegon
member since 1993
Muskegon, MI
231-724-4104

Peter F. Greiner
NSF International
member since 1993
Ann Arbor, MI
734-765-5517

Letisha Griffith
Highland Treatment Inc.
member since 2007
Ontonagon, MI
906-987-4258

Kevin L. Gritters
Prin & Neufeld
member since 2006
Grand Rapids, MI
616-364-8491

Grosse Ile D.P.W.
member since 2000
Grosse Ile, MI
313-590-0193

Herb Grunwell
Saginaw Charter Township
member since 2005
Saginaw, MI
989-791-9870

David E. Guastella
Alfred Benesch & Company
member since 1992
CANTON, MI
313-963-0612

Greg Gucwa
Johnson & Anderson
member since 2008
Waterford, MI

Robert E. Guerin
B.D. Harris, Inc.
member since 2003
Bloomfield Hills, MI

Dan Hamann
City of Wayne Dept of Public Works
member since 2009
Wayne, MI
734-721-8600

Jennifer Hamel
Lansing Board of Water and Light
member since 2014
Lansing, MI

Scott M. Hamelink
member since 2011
Grand Ledge, MI
517-702-6512

Bruce R. Hamlett
Hamellett Environ. Technologies
member since 1978
Howell, MI
517-545-2500

Thomas P. Gunst
City of New Baltimore
member since 2001
New Baltimore, MI
586-725-9511

Brad Gurski
City of St. Johns
member since 2015
Linden, MI
810-735-7980

Thomas J. Hauck
City of Three Oaks
member since 2008
Three Oaks, MI
616-575-2271

Jerry Harte
Michigan Water Environment Assoc.
member since 2013
Bath, MI
517-641-7377

Nick Harteau
government since 2009
Farmington, MI
734-260-0152

Hartland Township
member since 2011
Hartland, MI

Ken Hartwig
Tenneco Company, Inc.
government since 1999
Howell, MI
517-540-0038

Mike Harvey
member since 2006
Crystal Lake, IL
312-405-7965

Robert M. Harvey
Village of Paw Paw
government since 2005
Paw Paw, MI
616-657-3169

Aaron Haskin
City of Allegan
government since 2003
Allegan, MI
616-686-1115

City of Hastings
government since 2015
Hastings, MI
616-940-2468

Bruce A. Hauch
Village of Three Oaks
government since 1988
Three Oaks, MI
616-756-2020

David Haut
City of Owosso Water Dept
government since 2016
Owosso, MI
989-725-0560

Antoinette Hawkins
City of Monroe Water Plant
government since 2012
Monroe, MI
734-241-5947

Bruce L. Hawkins
Mead and Hunt, Inc.
government since 1977
Norway, MI
906-563-1310

Ronald E. Hayes
Detroit Water & Sewerage Department
government since 1989
Detroit, MI
313-999-3395

Yvette A. Hayes-Johnson
Great Lakes Water Authority
government since 2002
Detroit, MI

Stan S. Hazan
NSF International
government since 1989
Ann Arbor, MI
734-769-5105

James Heath
Health Consulting Services
government since 1983
Detroit, MI
313-342-9680
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>City</th>
<th>Member Since</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe M. Hebert</td>
<td>Ottawa County Road Commission</td>
<td>Grand Haven, MI</td>
<td>since 1990</td>
</tr>
<tr>
<td>Don Heck</td>
<td>Wolverine Engineers &amp; Surveyors</td>
<td>Mason, MI</td>
<td>since 2000</td>
</tr>
<tr>
<td>Michael Heldr</td>
<td>Holland Board of Public Works</td>
<td>Holland, MI</td>
<td>since 1996</td>
</tr>
<tr>
<td>Al Henderson</td>
<td>Argus Inc.</td>
<td>Gwinn, MI</td>
<td>since 2012</td>
</tr>
<tr>
<td>Carlon Meter, Inc.</td>
<td>Bear Lake, MI</td>
<td>member since 2003</td>
<td></td>
</tr>
<tr>
<td>Howard Higley</td>
<td>Huron Charter Township DPW</td>
<td>New Boston, MI</td>
<td>member since 1989</td>
</tr>
<tr>
<td>Joseph T. Hoban</td>
<td>DIXON Engineering, Inc.</td>
<td>Mentor, OH</td>
<td>member since 2006</td>
</tr>
<tr>
<td>Richard R. Hobgood</td>
<td>member since 2015</td>
<td>Romulus, MI</td>
<td>734-466-4492</td>
</tr>
<tr>
<td>David M. Hobson</td>
<td>Charter Township of Grand Blanc</td>
<td>Grand Blanc, MI</td>
<td>member since 1991</td>
</tr>
<tr>
<td>Jennifer A. Hodges</td>
<td>Gourdine Fraser, Inc.</td>
<td>Traverse City, MI</td>
<td>member since 2006</td>
</tr>
<tr>
<td>John R. Hodges</td>
<td>Village of Sparta</td>
<td>Sparta, MI</td>
<td>616-887-3788</td>
</tr>
<tr>
<td>Tracy Hoff</td>
<td>member since 1998</td>
<td>Deckerville, MI</td>
<td>810-376-9505</td>
</tr>
<tr>
<td>Edward Hogan</td>
<td>Wade Trim</td>
<td>member since 2005</td>
<td>Farmington Hills, MI</td>
</tr>
<tr>
<td>William R. Hogan</td>
<td>City of Trenton</td>
<td>Trenton, MI</td>
<td>member since 2001</td>
</tr>
<tr>
<td>Steve Hohensee</td>
<td>member since 1980</td>
<td>Washington, MI</td>
<td></td>
</tr>
<tr>
<td>Kraig R. Hoff</td>
<td>City of Marysville</td>
<td>Marysville, MI</td>
<td>810-364-8340</td>
</tr>
<tr>
<td>Holland Charter Township</td>
<td>member since 1971</td>
<td>Holland, MI</td>
<td>616-394-8191</td>
</tr>
<tr>
<td>David R. Holmgren</td>
<td>CAE</td>
<td>member since 1995</td>
<td>Grand Rapids, MI</td>
</tr>
<tr>
<td>Scott G. Homminga</td>
<td>City of Grosse Pointe Farms</td>
<td>member since 2003</td>
<td>Grosse Pointe Farms, MI</td>
</tr>
<tr>
<td>Christopher Hiltunen</td>
<td>Ira Township</td>
<td>member since 2012</td>
<td>Ira, MI</td>
</tr>
<tr>
<td>Eric Hoogerhyde</td>
<td>BJ member since 2014</td>
<td>East Jordan, MI</td>
<td>231-536-2261</td>
</tr>
<tr>
<td>Richard L. Hopper Jr.</td>
<td>Thomas Adams Township</td>
<td>Saginaw, MI</td>
<td>989-746-8150</td>
</tr>
<tr>
<td>Jayme E. Hord</td>
<td>Village of Webberville</td>
<td>Webberville, MI</td>
<td>517-521-3984</td>
</tr>
<tr>
<td>Mark H. Horgan</td>
<td>Genesee County Water &amp; Waste Services</td>
<td>Flint, MI</td>
<td>810-732-7870</td>
</tr>
<tr>
<td>Tom Horrocks</td>
<td>City of Owosso</td>
<td>Owosso, MI</td>
<td>989-733-6548</td>
</tr>
<tr>
<td>Brian Oliver House</td>
<td>Spicer Group</td>
<td>member since 1999</td>
<td>Norton Shores, MI</td>
</tr>
<tr>
<td>Scott House</td>
<td>City of East Lansing</td>
<td>East Lansing, MI</td>
<td>517-337-0497</td>
</tr>
<tr>
<td>James W. Houska</td>
<td>member since 1988</td>
<td>Elzie, MI</td>
<td>989-862-5090</td>
</tr>
<tr>
<td>Brock Howard</td>
<td>member since 1983</td>
<td>East Lansing, MI</td>
<td>517-337-3645</td>
</tr>
<tr>
<td>Jessica Howard</td>
<td>Orchard, Hiltz &amp; McClint</td>
<td>Livonia, MI</td>
<td>734-522-6711</td>
</tr>
<tr>
<td>Shane Howard</td>
<td>South County Water System</td>
<td>member since 2012</td>
<td>Temperance, MI</td>
</tr>
<tr>
<td>Tom Idema</td>
<td>member since 1988</td>
<td>Madison Heights, MI</td>
<td></td>
</tr>
<tr>
<td>Independence Township DPW</td>
<td>member since 1994</td>
<td>Clarkson, MI</td>
<td>248-625-8222</td>
</tr>
<tr>
<td>Scott Ingraham</td>
<td>Grand Rapids Water Department</td>
<td>member since 2012</td>
<td>Belmont, MI</td>
</tr>
<tr>
<td>Tony D. Ippoliti</td>
<td>Sherwin-Williams</td>
<td>member since 1988</td>
<td>Indianapolis, IN</td>
</tr>
<tr>
<td>Eric Hoogerhyde</td>
<td>BJ member since 2014</td>
<td>Troy, MI</td>
<td>248-250-5005</td>
</tr>
<tr>
<td>Robert S. Hudson</td>
<td>Adams Township</td>
<td>Saginaw, MI</td>
<td>989-746-8150</td>
</tr>
<tr>
<td>Jack Hughes</td>
<td>Holland Board of Public Works</td>
<td>Holland, MI</td>
<td>member since 2012</td>
</tr>
<tr>
<td>Glenn T. Hummel</td>
<td>RESCED, member since 2004</td>
<td>Warren, MI</td>
<td>586-978-7200</td>
</tr>
<tr>
<td>Charline Hunt</td>
<td>Payjana Distribution, LLC</td>
<td>member since 2015</td>
<td>Detroit, MI</td>
</tr>
<tr>
<td>John A. Hunter</td>
<td>member since 1997</td>
<td>City of Huntington Woods</td>
<td>member since 1989</td>
</tr>
<tr>
<td>Craig A. Hupke</td>
<td>Ann Arbor Public Services</td>
<td>member since 1990</td>
<td>Ann Arbor, MI</td>
</tr>
<tr>
<td>Norma J. Hurren</td>
<td>member since 2007</td>
<td>Carsonville, MI</td>
<td>810-622-9811</td>
</tr>
<tr>
<td>Jason Hyde</td>
<td>Kimball Township</td>
<td>member since 2014</td>
<td>Kimball, MI</td>
</tr>
<tr>
<td>Tom Idema</td>
<td>member since 1988</td>
<td>Madison Heights, MI</td>
<td></td>
</tr>
<tr>
<td>Independence Township DPW</td>
<td>member since 1994</td>
<td>Clarkson, MI</td>
<td>248-625-8222</td>
</tr>
<tr>
<td>Scott Ingraham</td>
<td>Grand Rapids Water Department</td>
<td>member since 2012</td>
<td>Belmont, MI</td>
</tr>
<tr>
<td>Tony D. Ippoliti</td>
<td>Sherwin-Williams</td>
<td>member since 1988</td>
<td>Indianapolis, IN</td>
</tr>
<tr>
<td>Ira Township</td>
<td>member since 2013</td>
<td>Ira, MI</td>
<td>586-725-7231</td>
</tr>
<tr>
<td>Charles W. Ireland</td>
<td>Orion Township Dept. of Pub. Wks.</td>
<td>member since 1983</td>
<td>Lake Orion, MI</td>
</tr>
<tr>
<td>Iron Mountain Water Department</td>
<td>member since 1952</td>
<td>Iron Mountain, MI</td>
<td>906-774-1794</td>
</tr>
<tr>
<td>City of Iron River</td>
<td>member since 2013</td>
<td>Iron River, MI</td>
<td>906-265-4719</td>
</tr>
<tr>
<td>City of Ironwood Water Utility</td>
<td>member since 1996</td>
<td>Ironwood, MI</td>
<td>906-932-5005</td>
</tr>
<tr>
<td>Cynthia C. Irving</td>
<td>FTC</td>
<td>member since 2013</td>
<td>Grand Rapids, MI</td>
</tr>
<tr>
<td>Warren L. Isaacs</td>
<td>Mead &amp; Hunt inc.</td>
<td>member since 1977</td>
<td>Port Hope, MI</td>
</tr>
<tr>
<td>Matt Iseler</td>
<td>Village of Mayville</td>
<td>member since 2015</td>
<td>Mayville, MI</td>
</tr>
<tr>
<td>Youses Ishrabi</td>
<td>Menard Charter Township</td>
<td>member since 2001</td>
<td>Okemos, MI</td>
</tr>
<tr>
<td>Michael Itrich</td>
<td>Marine City Public Works</td>
<td>member since 2015</td>
<td>Marine City, MI</td>
</tr>
<tr>
<td>Robert Ivanovic</td>
<td>Tenex Tech</td>
<td>member since 2015</td>
<td>Ann Arbor, MI</td>
</tr>
<tr>
<td>Mohammad K. Jaber</td>
<td>member since 2003</td>
<td>Dearborn, MI</td>
<td>313-833-8562</td>
</tr>
<tr>
<td>Robert M. Jackovich</td>
<td>Southeastern Oakland County Water Authority</td>
<td>member since 1992</td>
<td>Royal Oak, MI</td>
</tr>
<tr>
<td>Name</td>
<td>Title/Position</td>
<td>Phone Number</td>
<td>City, State</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------------------------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Daniel Kitchen</td>
<td>Utility Service Company</td>
<td>734-377-0771</td>
<td>Portage, MI</td>
</tr>
<tr>
<td>Erik Kleiman</td>
<td>Kleiman Pump &amp; Well Drilling, Inc.</td>
<td>906-774-1955</td>
<td>Iron Mountain, MI</td>
</tr>
<tr>
<td>Ron Kleiman</td>
<td>City of Munising</td>
<td>906-387-2419</td>
<td>Munising, MI</td>
</tr>
<tr>
<td>Dan Kleinheksel</td>
<td>City of Wyoming Drinking Water Plant</td>
<td>616-399-6511</td>
<td>Holland, MI</td>
</tr>
<tr>
<td>Phillip L. Kline</td>
<td>Kline's Resort</td>
<td>269-649-2514</td>
<td>Three Rivers, MI</td>
</tr>
<tr>
<td>Paul Kloosterman</td>
<td>Byran-Gates Utility Authority</td>
<td>616-826-8069</td>
<td>Jackson, MI</td>
</tr>
<tr>
<td>Mark S. Kneibel</td>
<td>City of Monroe</td>
<td>517-768-6142</td>
<td>Lansing, MI</td>
</tr>
<tr>
<td>Todd Kneppe</td>
<td>City of Trenton</td>
<td>810-664-6887</td>
<td>Lapeer, MI</td>
</tr>
<tr>
<td>Christopher S. Knight</td>
<td>City of Monroe Water Filtration Plant</td>
<td>616-585-0088</td>
<td>Monroe, MI</td>
</tr>
<tr>
<td>Brad Knoper</td>
<td>Jenison-Georgetown Township</td>
<td>517-768-6142</td>
<td>Jenison, MI</td>
</tr>
<tr>
<td>Larry Knowles</td>
<td></td>
<td>269-945-5083</td>
<td>Lansing, MI</td>
</tr>
<tr>
<td>David S. Koch</td>
<td>Black &amp; Watch</td>
<td>312-683-7829</td>
<td>Chicago, IL</td>
</tr>
<tr>
<td>Robert J. Koehn</td>
<td>City of Jackson Water Dept.</td>
<td>517-788-4073</td>
<td>Jackson, MI</td>
</tr>
<tr>
<td>Edward Koenig</td>
<td>Macomb Twp Water/Sewer Dept.</td>
<td>586-598-0687</td>
<td>Macomb, MI</td>
</tr>
<tr>
<td>Michael J. Koluder</td>
<td></td>
<td>734-775-9523</td>
<td>Wyandotte, MI</td>
</tr>
<tr>
<td>Kevin Koning</td>
<td>Holland Board of Public Works</td>
<td>616-355-1564</td>
<td>Holland, MI</td>
</tr>
<tr>
<td>Mike Kortman</td>
<td>Byran-Gates Utility Authority</td>
<td>906-774-1955</td>
<td>Iron Mountain, MI</td>
</tr>
<tr>
<td>Zach Kortz</td>
<td>Allegan Water Plant</td>
<td>616-355-1562</td>
<td>Allegan, MI</td>
</tr>
<tr>
<td>Alan G. Koski</td>
<td>Republic Township</td>
<td>906-376-2303</td>
<td>Republic, MI</td>
</tr>
<tr>
<td>David G. Koster</td>
<td>Holland Board of Public Works</td>
<td>616-227-3063</td>
<td>Brighton, MI</td>
</tr>
<tr>
<td>John E. Koster</td>
<td></td>
<td>313-350-3123</td>
<td>Livonia, MI</td>
</tr>
<tr>
<td>Nadine Kotlarz</td>
<td>University of Michigan</td>
<td>734-466-2633</td>
<td>Livonia, MI</td>
</tr>
<tr>
<td>Keith Kotsch</td>
<td>Village of Brooklyn</td>
<td>517-592-5873</td>
<td>Brooklyn, MI</td>
</tr>
<tr>
<td>Yao Kouassi</td>
<td></td>
<td>313-690-5422</td>
<td>Livonia, MI</td>
</tr>
<tr>
<td>A. Dusty Kowalski</td>
<td>Burkhill Twp.</td>
<td>830-385-5577</td>
<td>Burkhill, MI</td>
</tr>
<tr>
<td>James Kowalski</td>
<td>City of Grosse Pointe Woods</td>
<td>313-343-2460</td>
<td>Grosse Pointe Woods, MI</td>
</tr>
<tr>
<td>Preston J. Kragt</td>
<td></td>
<td>616-399-5345</td>
<td>Holland, MI</td>
</tr>
<tr>
<td>David B. Kramer</td>
<td>Hydrosource Inc.</td>
<td>440-247-9150</td>
<td>Chagrin Falls, OH</td>
</tr>
<tr>
<td>Lloyd J. Kramer</td>
<td></td>
<td>616-538-1990</td>
<td>Grandville, MI</td>
</tr>
<tr>
<td>James G. Labell</td>
<td>City of Trenton</td>
<td>734-676-6621</td>
<td>Trenton, MI</td>
</tr>
<tr>
<td>Barry A. Kreiner</td>
<td>City of Marysville</td>
<td>810-364-8340</td>
<td>Marysville, MI</td>
</tr>
<tr>
<td>Holly Kremers</td>
<td>Wade Trim</td>
<td>813-862-4373</td>
<td>Tampa, FL</td>
</tr>
<tr>
<td>Richard Kroll</td>
<td>United Water - City of Alpena WTP</td>
<td>248-486-8110</td>
<td>Alpena, MI</td>
</tr>
<tr>
<td>Charles L. Kronk</td>
<td>City of Artesian</td>
<td>810-231-1200</td>
<td>Lakeeland, MI</td>
</tr>
<tr>
<td>Martin T. Kroon</td>
<td>City of Alpena</td>
<td>231-689-6093</td>
<td>White Cloud, MI</td>
</tr>
<tr>
<td>Arthur Kruger</td>
<td>Traverse City Water Department</td>
<td>231-922-4520</td>
<td>Traverse City, MI</td>
</tr>
<tr>
<td>Tim Kruze</td>
<td>Emerasa International, Inc.</td>
<td>313-350-3123</td>
<td>Detroit, MI</td>
</tr>
<tr>
<td>Walt Krzeczkowski</td>
<td>City of Livonia</td>
<td>734-466-2633</td>
<td>Livonia, MI</td>
</tr>
<tr>
<td>Roy W. Kuennen</td>
<td>Amway MC 31-A</td>
<td>517-787-8284</td>
<td>Utica, MI</td>
</tr>
<tr>
<td>Dennis Kuhn II</td>
<td>Village of Buckley</td>
<td>517-355-6640</td>
<td>East Lansing, MI</td>
</tr>
<tr>
<td>Louis Jay Kwiatkowski</td>
<td>City of Grosse Pointe Woods</td>
<td>989-350-0448</td>
<td>Buckley, MI</td>
</tr>
<tr>
<td>Kenneth W. Kunka</td>
<td>Sumpter Township</td>
<td>248-735-5647</td>
<td>Novi, MI</td>
</tr>
<tr>
<td>Louis Jay Kwiatkowski</td>
<td>City of Grosse Pointe Woods</td>
<td>734-787-7244</td>
<td>Belleville, MI</td>
</tr>
<tr>
<td>Kelly Lapointe</td>
<td>City of Troy</td>
<td>810-664-6887</td>
<td>Troy, MI</td>
</tr>
<tr>
<td>Timothy J. Lapointe</td>
<td>Thornapple Mining Dept.</td>
<td>734-475-7122</td>
<td>Saline, MI</td>
</tr>
<tr>
<td>Howard L. Lacossee</td>
<td>City of Rose City</td>
<td>989-685-2646</td>
<td>Rose City, MI</td>
</tr>
<tr>
<td>Michael Lacroix</td>
<td>Green Oak Water Company</td>
<td>216-987-8530</td>
<td>South Lyon, MI</td>
</tr>
<tr>
<td>Rebecca Lahr</td>
<td>Michigan State University</td>
<td>517-668-6061</td>
<td>Dewitt, MI</td>
</tr>
<tr>
<td>Todd Knepper</td>
<td>City of Monroe</td>
<td>517-836-1448</td>
<td>Lansing, MI</td>
</tr>
<tr>
<td>Richard J. Koehn</td>
<td>City of Norton Shores Water Department</td>
<td>616-682-9382</td>
<td>Norton Shores, MI</td>
</tr>
<tr>
<td>Craig S. Lehan</td>
<td>City of Troy</td>
<td>517-542-2103</td>
<td>Troy, MI</td>
</tr>
<tr>
<td>Michael Lehtonen</td>
<td>City of Monroe</td>
<td>517-702-6812</td>
<td>Lansing, MI</td>
</tr>
<tr>
<td>Allen D. Lemieux</td>
<td>West Michigan Instrumentation Systems, Inc.</td>
<td>616-837-6148</td>
<td>Nunica, MI</td>
</tr>
<tr>
<td>Rod Lesko</td>
<td>Wyandotte Municipal Services</td>
<td>517-702-6812</td>
<td>Wyandotte, MI</td>
</tr>
<tr>
<td>Name</td>
<td>Organization/Location</td>
<td>Member Since</td>
<td>Contact Information</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------------------------------</td>
<td>--------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>William J. Martin</td>
<td>Plainfield Township, MI</td>
<td>1991</td>
<td>513-961-4040</td>
</tr>
<tr>
<td>George Marx</td>
<td>Grosse Ile DPS, MI</td>
<td>2015</td>
<td>734-216-4342</td>
</tr>
<tr>
<td>Kimberly R. Mason</td>
<td>City of Saginaw, MI</td>
<td>2001</td>
<td>989-759-1520</td>
</tr>
<tr>
<td>Chad Massel</td>
<td>Eauqua Water Technologies, MI</td>
<td>2015</td>
<td>616-772-9011</td>
</tr>
<tr>
<td>Bob Masters</td>
<td>Peerless-Midwest, Inc.</td>
<td>1999</td>
<td>517-819-2367</td>
</tr>
<tr>
<td>Samir F. Matta</td>
<td>Lockwood, Andrews &amp; Newman, Inc.</td>
<td>2010</td>
<td>906-281-5578</td>
</tr>
<tr>
<td>Robert M. Mattsolk</td>
<td>Oceola Township Water Supply, MI</td>
<td>1990</td>
<td>517-819-2367</td>
</tr>
<tr>
<td>Paul Matthews</td>
<td>Ann Arbor Public Services, MI</td>
<td>2010</td>
<td>906-281-5578</td>
</tr>
<tr>
<td>Mark A. Mattson</td>
<td>DLZ Michigan, Inc.</td>
<td>2009</td>
<td>513-961-4040</td>
</tr>
<tr>
<td>Calvin Matz</td>
<td>City of Wyoming Utilities Department, MI</td>
<td>2008</td>
<td>517-371-1200</td>
</tr>
<tr>
<td>Alex Mayer</td>
<td>Michigan Technological University, Dept. Civil &amp; Engr. Eng.</td>
<td>2009</td>
<td>313-961-4040</td>
</tr>
<tr>
<td>William J. Martin</td>
<td>Plainfield Township, MI</td>
<td>1991</td>
<td>513-961-4040</td>
</tr>
<tr>
<td>Michael L. McAdams</td>
<td>White Lake Township Water Department, MI</td>
<td>2015</td>
<td>248-698-3300</td>
</tr>
<tr>
<td>Gary McBride</td>
<td>Village of Bear Lake, MI</td>
<td>1993</td>
<td>231-864-3814</td>
</tr>
<tr>
<td>Shawn McBride</td>
<td>Charter Township of Union, MI</td>
<td>1994</td>
<td>248-852-2677</td>
</tr>
<tr>
<td>Colin Glenn Mcorkirk</td>
<td>Fishebeck, Thompson, G &amp; H, Inc.</td>
<td>2006</td>
<td>918-334-0880</td>
</tr>
<tr>
<td>Melanie L. McCoy</td>
<td>Sebewaing Light &amp; Water Dept, MI</td>
<td>2006</td>
<td>517-732-7870</td>
</tr>
<tr>
<td>Jolisa D. McDay</td>
<td>member 2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ken McDonough</td>
<td>Clinton Township, MI</td>
<td>1988</td>
<td></td>
</tr>
<tr>
<td>Paul S. McGinnis</td>
<td>City of Monroe Water Filtration Plant, MI</td>
<td>2001</td>
<td>731-731-0471</td>
</tr>
<tr>
<td>Tony McGrath</td>
<td>Negaua/shimping Water Authority, MI</td>
<td>1994</td>
<td>986-486-8399</td>
</tr>
<tr>
<td>Craig McGregor</td>
<td>City of Chelsea, MI</td>
<td>2007</td>
<td>734-475-8298</td>
</tr>
<tr>
<td>Mark Kelly McCallum</td>
<td>member since 2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael L. McAdams</td>
<td>White Lake Township Water Department, MI</td>
<td>2015</td>
<td>248-698-3300</td>
</tr>
<tr>
<td>Gary McBride</td>
<td>Village of Bear Lake, MI</td>
<td>1993</td>
<td>231-864-3814</td>
</tr>
<tr>
<td>Shawn McBride</td>
<td>Charter Township of Union, MI</td>
<td>1994</td>
<td>248-852-2677</td>
</tr>
<tr>
<td>Dan L. McVay</td>
<td>DHW, Inc.</td>
<td>1987</td>
<td>517-732-7870</td>
</tr>
<tr>
<td>Colin Glenn Mcorkirk</td>
<td>Fishebeck, Thompson, G &amp; H, Inc.</td>
<td>2006</td>
<td>918-334-0880</td>
</tr>
<tr>
<td>Melanie L. McCoy</td>
<td>Sebewaing Light &amp; Water Dept, MI</td>
<td>2006</td>
<td>517-732-7870</td>
</tr>
<tr>
<td>Jolisa D. McDay</td>
<td>member 2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ken McDonough</td>
<td>Clinton Township, MI</td>
<td>1988</td>
<td></td>
</tr>
<tr>
<td>Paul S. McGinnis</td>
<td>City of Monroe Water Filtration Plant, MI</td>
<td>2001</td>
<td>731-731-0471</td>
</tr>
<tr>
<td>Tony McGrath</td>
<td>Negaua/shimping Water Authority, MI</td>
<td>1994</td>
<td>986-486-8399</td>
</tr>
<tr>
<td>Craig McGregor</td>
<td>City of Chelsea, MI</td>
<td>2007</td>
<td>734-475-8298</td>
</tr>
<tr>
<td>David McKee</td>
<td>Independence Twp, DPW, MI</td>
<td>2001</td>
<td>517-204-4961</td>
</tr>
<tr>
<td>David K. McKeen</td>
<td>City of Fenton, MI</td>
<td>1999</td>
<td>810-714-9610</td>
</tr>
<tr>
<td>Joseph McKerchie</td>
<td>Sault Sainte Marie, MI</td>
<td>1999</td>
<td>906-632-5275</td>
</tr>
<tr>
<td>Stephen D. McLaren</td>
<td>Leoni Engineering, Products &amp; Services, Inc.</td>
<td>2009</td>
<td>248-760-3811</td>
</tr>
<tr>
<td>Dan L. McVay</td>
<td>DHW, Inc.</td>
<td>1987</td>
<td>517-732-7870</td>
</tr>
<tr>
<td>Emily Meek</td>
<td>member 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Archie Mears</td>
<td>MHP, member 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ajit Mehta</td>
<td>member 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lynnette Marie Meinz</td>
<td>member 2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ronald J. Melchert</td>
<td>City of Aurora Hills, DPW, MI</td>
<td>1996</td>
<td>248-891-3777</td>
</tr>
<tr>
<td>John Mensinger</td>
<td>member 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steven Mepham</td>
<td>City of Lansing, MI</td>
<td>1995</td>
<td>989-681-3567</td>
</tr>
<tr>
<td>Andrew Messina JR</td>
<td>New Baltimore Water Department, MI</td>
<td>1990</td>
<td>517-355-3314</td>
</tr>
<tr>
<td>Brian Milleski</td>
<td>Grand Rapids, MI</td>
<td>1994</td>
<td>269-363-9660</td>
</tr>
<tr>
<td>Bob Miller</td>
<td>South Haven Board of Public Utilities, MI</td>
<td>1977</td>
<td>269-637-0215</td>
</tr>
<tr>
<td>Craig A. Miller</td>
<td>City of Buchanan, MI</td>
<td>2013</td>
<td>269-876-6034</td>
</tr>
<tr>
<td>Craig Miller</td>
<td>Grand Rapids Water Department, MI</td>
<td>2015</td>
<td>616-456-3700</td>
</tr>
<tr>
<td>David G. Miller</td>
<td>Charter Township of Shelby, MI</td>
<td>1987</td>
<td>586-731-5990</td>
</tr>
<tr>
<td>Rick G. Miller</td>
<td>City of St. Clair Shores, MI</td>
<td>1994</td>
<td>269-651-2879</td>
</tr>
<tr>
<td>Robert N. Miller Jr.</td>
<td>Suez, member 2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert N. Miller Jr.</td>
<td>Suez, member 2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russell J. Miller</td>
<td>City of St. Clair Shores, MI</td>
<td>2015</td>
<td>517-851-8099</td>
</tr>
<tr>
<td>Joseph M. Michalsky</td>
<td>Jackson County Road Commission, MI</td>
<td>1993</td>
<td>517-783-5870</td>
</tr>
<tr>
<td>Glen Michel</td>
<td>Michigan Meter Technology Group Inc.</td>
<td>1985</td>
<td>517-732-7870</td>
</tr>
<tr>
<td>Michigan American Water</td>
<td>member 1959</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michigan State University</td>
<td>member 1977</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James J. Minster</td>
<td>City of Lansing, MI</td>
<td>1998</td>
<td>517-371-1200</td>
</tr>
<tr>
<td>Robert Missman</td>
<td>Anway Corp. 37-24, member 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey W. Mitchell</td>
<td>Village of Union City, MI</td>
<td>2015</td>
<td>517-537-2000</td>
</tr>
</tbody>
</table>
Olivia Nicole Olstyn-Budry
Bloomfield Township member since 2013
Bloomfield Hills, MI

John C. O’Malley
O’Malley Consulting member since 1967
Williamston, MI
517-927-7188

Michael W. O’Malley
member since 1992
Saint Joseph, MI
574-274-3889

Paul O’Mea
City of Birmingham Water Dept. member since 2001
Birmingham, MI
248-530-1836

Jenny Oorbeck
IGS International member since 2015
Ann Arbor, MI
734-418-6610

Orion Township
Dept. of Pub. Wks. member since 2002
Lake Orion, MI
248-393-7018

Shawn D. Orlaske
member since 1990
Ann Arbor, MI
734-418-6610

Christopher Ormes
Village of Elbe member since 2013
Elbe, WI
989-862-4273

William Osborne
City of Monroe member since 2014
Monroe, MI
734-241-6074

James Outz
member since 2007
Rochford, MI
218-347-0209

Oliver Patrick
City of Owosso Water member since 2007
Owosso, MI
616-752-7975

Owen Pederson
member since 2007
Holland, MI
313-549-3978

Dennis Peterson
member since 2007
Owosso, MI
616-255-1251

Jason Payne
City of Livonia member since 2012
Livonia, MI
810-759-7980

William F. Pearson
Pearson Drilling Company member since 1997
Lake City, MI
231-839-4444

Marie Peasley
Argonics Inc. member member since 2016
Gwin, MI
906-226-9747

John Peck
Crawfordsville Water Dept. member since 2014
Crawfordsville, MI
810-679-2120

Randy Peck
Planfield Township Water Department member since 2015
Benton, MI
616-364-7174

Kristen Philip
Detroit Water Department member since 2009
Detroit, MI
313-581-3497

Donald Petrovich
Planfield Township Water Dept. member since 1991
Belmont, MI
616-364-7174

Kristen Philip
Detroit Water Department member since 2009
Detroit, MI
313-581-3497

Donald Petrovich
Planfield Township Water Dept. member since 1991
Belmont, MI
616-364-7174

Catherine Peters
Detroit Water Department member since 1999
Port Huron, MI
810-987-6600

Tracy Petig
Fowlstown Water member since 2015
Newport, MI
734-915-8804

Donna Pendell
Village of Fowlstown member since 2007
Nashville, MI
517-853-4654

Josh Pierce
Village of Fowlstown member since 2007
Nashville, MI
517-853-4654

Amy Ploof
Oakland County Water Resources Commissioner member since 2015
Waterford, MI
248-351-1877

Dave Plooster
City of Waterway member since 2015
Waterway, MI
231-536-4504

City of Plymouth member since 1998
Plymouth, MI
734-453-7737

Mark D Pisiewski
City of Plymouth member since 2007
Plymouth, MI
734-453-7737

Tom Pollock
City of Greenville member since 2005
Greenville, MI
616-754-5098

William Joseph Popp
Johnson & Anderson member since 2015
Clarkston, MI
248-821-1887

Chris Porman
City of Plymouth member since 2007
Plymouth, MI
734-453-7737

Cheryl D. Porter
City of Detroit member since 2005
Detroit, MI
313-926-8135

Albert R. Posthuma
member since 1968
Muskegon, MI
231-744-7373

Arden Postma
Grand Rapids Water Department member since 2016
Aaron Potter  
Waterford Township  
Dept. of Public Works  
member since 2012  
Waterford, MI  
616-891-9504

David J. Potter  
Arlington Estates  
member since 2010  
Muskegon, MI  
989-734-2182

Luke M. Potter  
City of Clare  
member since 2011  
Clare, MI  
989-332-2182

David R. Purkiss  
member since 1996  

Lucy B. Pugh  
member since 2004  

Fleis & VandenBrink Engineering, Inc.  
Jeff Pugh  
734-241-5947  
Monroe, MI  
616-363-9936

Powell Fabrication & Manufacturing, Inc.  
member since 1994  
Saint Louis, MI  
989-681-2158

Marti Praschan  
City of Ann Arbor  
member since 2008  
Ann Arbor, MI  
734-243-0700

Pamela Ritsema  
Grand Rapids Water Department  
member since 2013  
Grand Rapids, MI  
616-456-3079

James R. Ritter  
City of Kalamazoo - Dept. of Pub. Svcs.  
member since 2015  
Kalamazoo, MI  

Ricky R. Rivard  
City of Essexville  
member since 2002  
Essexville, MI  
989-893-6101

Pat Rizzino  
Village of Mackinaw City  
member since 2002  
Mackinaw City, MI  

Matthew Rizzo  
Michigan Meter Technology Group, Inc.  
member since 2015  
Madison Heights, MI  
248-585-3700

Tim Roache  
member since 1980  
Erik Rapids, MI  
231-620-1289

Michael K. Robbins  
City of Petoskey  
member since 2005  
Petoskey, MI  
231-347-2500

Deena Roberson  
Holland Board of Public Works  
member since 2015  
Holland, MI  
616-355-1534

David C. Roberts  
Berlin Township  
member since 1994  
Newport, MI  

Paul A. Rochna Jr.  
member since 1997  
Gaylord, MI  

City of Rockford  
member since 2014  
Rockford, MI  
616-866-1537

Nick C. Roder  
Village of Garden  
member since 2004  
Garden, MI  
906-644-2423

Grace Rodriguez  
member since 2015  
Ann Arbor, MI  

Henry Rodriguez  
Village of Shelby  
member since 2015  
Shelby, MI  
231-250-2500

Evoqua Water Technologies  
member since 2015  
Holland, MI  
616-748-7635

Timothy Rohn  
Richland Township Water Dept.  
member since 2003  
Hemlock, MI  

MEMBERSHIP DIRECTORY

WATER WORKS NEWS | Spring 2016

RETURN TO TABLE OF CONTENTS
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Role</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark R. Strahan</td>
<td>Village of Blissfield member since 1989</td>
<td>517-486-2550</td>
</tr>
<tr>
<td>Thomas Stressman</td>
<td>City of Cedar Springs member since 2013</td>
<td>517-698-1930</td>
</tr>
<tr>
<td>Robert Styrkowski</td>
<td>member since 2012</td>
<td>Lake Linden, MI 906-296-8541</td>
</tr>
<tr>
<td>Bob Stucker</td>
<td>City of Benton Water Plant member since 1988</td>
<td></td>
</tr>
<tr>
<td>Charles V. Suchodolski</td>
<td>Bay County Department of Water and Sewer member since 2011</td>
<td>Bay City, MI 989-684-3883</td>
</tr>
<tr>
<td>Ervin J. Suida</td>
<td>City of Howell member since 1999</td>
<td>Howell, MI 517-923-4245</td>
</tr>
<tr>
<td>Steven Sujkowski</td>
<td>member since 2015</td>
<td>Saginaw, MI 989-754-4611</td>
</tr>
<tr>
<td>Don Sumpton</td>
<td>Canvasilton Township member since 2004</td>
<td>Saginaw, MI 989-754-4611</td>
</tr>
<tr>
<td>Charles Sundblad</td>
<td>City of Caro member since 2002</td>
<td>Caro, MI 989-673-2571</td>
</tr>
<tr>
<td>Larry D. Sundling</td>
<td>member since 2006</td>
<td>Rapid River, MI 906-280-7354</td>
</tr>
<tr>
<td>Janet Supanich</td>
<td>Village of Lkese member since 1999</td>
<td>Pelkie, MI 506-524-5880</td>
</tr>
<tr>
<td>Superior Township Utility Department member since 1978 Ypsilanti, MI 734-480-5500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James J. Surhigh</td>
<td>Hobbel, Roth &amp; Clark, Inc. member since 2011</td>
<td>Bloomfield Hills, MI 248-454-6342</td>
</tr>
<tr>
<td>James Susan</td>
<td>Fishbeck Thompson Carr Huber member since 1977</td>
<td>Grand Rapids, MI 616-464-3734</td>
</tr>
<tr>
<td>Bryan Sutton</td>
<td>City of Flushing member since 1997</td>
<td>Flushing, MI 810-659-5665</td>
</tr>
<tr>
<td>Kelly Tatlock</td>
<td>City of Wyoming member since 2011</td>
<td>Holand, MI 616-399-6551</td>
</tr>
<tr>
<td>Shimo Svabic</td>
<td>City of Wyoming member since 2010</td>
<td>Wyomng, MI 616-530-7260</td>
</tr>
<tr>
<td>Keith M. Swaffar</td>
<td>NTH Consultants, Ltd. member since 1998</td>
<td>Northville, MI 313-822-3919</td>
</tr>
<tr>
<td>Seth Swanson</td>
<td>GHM Advisors member since 2015</td>
<td>Livonia, MI 734-466-4502</td>
</tr>
<tr>
<td>Doug Sweeers</td>
<td>City of Allegan Wastewater Plant member since 2015</td>
<td>Allegan, MI 269-686-1117</td>
</tr>
<tr>
<td>Matthew B. Sype</td>
<td>City of Flat Rock member since 2001</td>
<td>Flat Rock, MI 734-782-2470</td>
</tr>
<tr>
<td>David Szal</td>
<td>Oakland University member since 2015</td>
<td>Rochester, MI 248-370-4064 ext 9213027</td>
</tr>
<tr>
<td>Terri Tabor-Conerway</td>
<td>Detroit Water &amp; Sewerage Dept. member since 2005</td>
<td>Detroit, MI 313-964-9485</td>
</tr>
<tr>
<td>Matt Tagget</td>
<td>Bridgeport Charter Township member since 2015</td>
<td>Detroit, MI 313-230-5615</td>
</tr>
<tr>
<td>Tyrone Talifer</td>
<td>T &amp; N Services, Inc. member since 1997</td>
<td>Detroit, MI 317-271-3100</td>
</tr>
<tr>
<td>Diane Tapio</td>
<td>Republic Township member since 2005</td>
<td>Republic, MI 906-376-8827</td>
</tr>
<tr>
<td>Jim L. Tardani</td>
<td>City of Wyoming member since 2019</td>
<td>Michigan, MI 616-399-7849</td>
</tr>
<tr>
<td>Greg Tatara</td>
<td>Genoa Township MUG Wtr Auth member since 2006</td>
<td>Brighton, MI 810-222-5225</td>
</tr>
<tr>
<td>Kelly Theibeude</td>
<td>Village of Centreville member since 2014</td>
<td>Centreville, MI 269-467-6409</td>
</tr>
<tr>
<td>Adam Taylor</td>
<td>Greenfield Resources Corporation member since 2015</td>
<td>Troy, MI 810-424-2640</td>
</tr>
<tr>
<td>Michael Taylor</td>
<td>Chariter Township of Auclavb member since 1993</td>
<td>Oscoda, MI 989-739-9169</td>
</tr>
<tr>
<td>Mark J. TenBroek</td>
<td>CDM Michigan inc. member since 1987</td>
<td>Detroit, MI 313-230-5615</td>
</tr>
<tr>
<td>Jon P. Terres</td>
<td>member since 1998</td>
<td>Alma, MI 989-732-5050</td>
</tr>
<tr>
<td>Bob Tervenen</td>
<td>City of Ironwood Water Utility member since 2009</td>
<td>Ironwood, MI 906-932-5050</td>
</tr>
<tr>
<td>Thomas M. Teske</td>
<td>Ef member since 1979</td>
<td>East Jordan, MI 231-536-4428</td>
</tr>
<tr>
<td>Christopher Tesone</td>
<td>USALE member since 2010</td>
<td>Poland, OH 330-418-4422</td>
</tr>
<tr>
<td>Steve Teunis</td>
<td>member since 2001</td>
<td>Charlevaux, MI 616-846-7016</td>
</tr>
<tr>
<td>Kirk Tews</td>
<td>City of Midland member since 2007</td>
<td>Midland, MI 989-755-2508</td>
</tr>
<tr>
<td>Jodie Theiss</td>
<td>City of Wyomng Public Works member since 2013</td>
<td>Wyomng, MI 616-560-7260</td>
</tr>
<tr>
<td>Terry Themnik</td>
<td>Pianfield Township Water Dept. member since 2006</td>
<td>Grand Rapids, MI 616-363-9660</td>
</tr>
<tr>
<td>Les Therrian</td>
<td>City of St. Ignace member since 1995</td>
<td>Saint Ignace, MI 906-643-9671</td>
</tr>
<tr>
<td>Michelle Thibeude</td>
<td>Village of Centreville member since 2014</td>
<td>Centreville, MI 269-467-6409</td>
</tr>
<tr>
<td>Ernie Thomas</td>
<td>City of Belding member since 1993</td>
<td>Belding, MI 269-794-1900</td>
</tr>
<tr>
<td>Pat Thomas</td>
<td>City of Grosse Pointe Park member since 2004</td>
<td>Grosse Pointe Park, MI 313-822-3919</td>
</tr>
<tr>
<td>Scott Thomas</td>
<td>Iron Mountain Water Department member since 2010</td>
<td>Iron Mountain, MI 906-774-0722</td>
</tr>
<tr>
<td>Brad Thomas</td>
<td>Birch Run Township member since 2007</td>
<td>Birch Run, MI 989-233-9317</td>
</tr>
<tr>
<td>Laura Anne Thome</td>
<td>Detroit Water &amp; Sewerage Department member since 2015</td>
<td>Detroit, MI 313-926-8136</td>
</tr>
<tr>
<td>Christopher D. Thompson</td>
<td>member since 1998</td>
<td>East Lansing, MI 571-702-6521</td>
</tr>
<tr>
<td>Julie Thompson</td>
<td>Holland Board of Public Works member since 2008</td>
<td>Holland, MI 616-355-1630</td>
</tr>
<tr>
<td>Joellen C. Thompson</td>
<td>Grand Rapids Water Department member since 1987</td>
<td>Grand Rapids, MI 616-456-4238</td>
</tr>
<tr>
<td>Thomas Thompson</td>
<td>Village of Manchester member since 2015</td>
<td>Manchester, MI 734-428-7171</td>
</tr>
<tr>
<td>John Thompson</td>
<td>Liquidous Services, Inc. (USA) member since 2007</td>
<td>Romulus, MI 734-955-2508</td>
</tr>
<tr>
<td>Jim Thompson</td>
<td>member since 2012</td>
<td>Flint, MI 313-822-3919</td>
</tr>
<tr>
<td>Mark Thornton</td>
<td>City of St. Joseph member since 2012</td>
<td>Saint Joseph, MI 269-983-7240</td>
</tr>
<tr>
<td>City of Three Rivers</td>
<td>member since 1976</td>
<td>Three Rivers, MI 269-794-1905</td>
</tr>
<tr>
<td>Brian E. Thurston</td>
<td>MDQD OQWMA Cadillac District member since 1995</td>
<td>Cadillac, MI 231-599-3420</td>
</tr>
<tr>
<td>Zachery Thurston</td>
<td>member since 2014</td>
<td>Lansing, MI 517-242-2706</td>
</tr>
</tbody>
</table>
William Turner
member since 2007
Romulus, MI
734-699-8900

Robert J. Tutsch
Saginaw Valley State University
member since 1993
University Center, MI
989-964-4080

Kevin Tyler
City of Ludington
member since 2012
Ludington, MI
810-735-7980

Nancy Tyree
City of Stevensville
member since 2009
East Jordan, MI
231-536-2261

Austen Tyree
City of Zeeland
member since 2014
Midland, MI
989-329-5346

Donald Utivlugt
City of Wyoming
member since 2015
Dorr, MI
616-681-2236

Murat Ulusar
Orchard, Hiltz & McClintic, Inc.
member since 2005
Livonia, MI
734-466-4472

Rick Lee Updike
City of Plainwell, #111
member since 2006
Plainwell, MI
269-544-1505

Aaron Uranga
Hubbell, Rosh & Clark, Inc.
member since 2011
Canton, MI

Michael R. Van Wagner
Village of Howard City
member since 2014
Howard City, MI

Christopher D. Van Wormer
Fer-Pal Construction USA, LLC
member since 2012
Taylor, MI
734-624-5321

Theodore VanAken
City of Wyoming
member since 2012
Grand Rapids, MI
616-355-1539

Jesse B. VanDeCreek
Hubbell, Rosh & Clark, Inc.
member since 2005
Grand Rapids, MI
616-355-1539

Sam Vandenberg
City of Great Rapids
member since 2011
West Olive, MI
616-456-3931

Steven R. VandenBrink
Fleis & VandenBrink Engrg. Inc.
member since 1992
Grand Rapids, MI
616-977-1000

Tim Vander Schaaf
City of Muskegon Heights
member since 2003
Spring Lake, MI
616-842-0080

Joseph A. Vander Stel
Grand Haven Water Treatment Plant
member since 1988
Grand Haven, MI
616-847-3487

Benjamin Vanderhulst
Holland Board of Public Works
member since 2015
Holland, MI

Brian Vanlaanen
Fleis & VandenBrink Engrg. Inc.
member since 1992
Grand Rapids, MI
616-977-1000

Lucas VanderZee
City of Harbor Springs
member since 2014
Grand Rapids, MI
616-842-5988

G. Jean Verbois
Gogebic Range Water Auth.
member since 2004
Raymond, MI
906-667-0465

Thomas A. Veresh
Wade Trim & Associates
member since 2007
Taylor, MI
734-947-9700

Edward Verhambem
Plainfield Township Water
member since 2015
Ann Arbor, MI
734-332-1200

Sanjeev Verma
Fluid Equipment Development Company (FEDCO)
member since 2014
Monroe, MI
734-465-6700

Stephen J. Verstrat
Access Business Group LLC
member since 2001
Ada, MI
616-787-6133

Rajaram Vijayendran
Metso Services, Inc.
member since 1997
Warren, MI
586-920-2620

Village of Baraga
member since 1977
Baraga, MI
906-353-6795

Village of Birch Run
member since 1998
Birch Run, MI
989-624-5711

Village of Beulah
member since 2013
Beulah, MI
231-882-4451

Village of Cassopolis
member since 2012
Cassopolis, MI
269-445-8098

Village of Centreville
member since 2005
Centreville, MI
269-467-6409

Village of Climax
member since 1983
Climax, MI
269-746-4174

Village of Colon
member since 2002
Colon, MI
269-432-2532

Village of Dexter Utilities
member since 2012
Dexter, MI
734-426-8303

Village of Edwardsburg
member since 1978
Edwardsburg, MI
269-663-8484
MEMBERSHIP DIRECTORY

Village of Vicksburg
member since 2004
Vicksburg, MI
269-649-1919

Village of Waterford
member since 2013
Waterford, MI
586-752-9740

Village of Kalkaska City
member since 1986
Kalkaska, MI
989-892-4841

Village of Fairview
member since 2016
Fairview, MI
231-724-6411

Village of Mayville
member since 1996
Mayville, MI
989-843-6621

Village of Midland
member since 2013
Midland, MI
661-669-4800

Village of Pinckney
member since 1991
Pinckney, MI
734-878-0666

Village of Romeoville
member since 2014
Romeoville, IL
586-752-2684

Village of Shelby
member since 1993
Shelby, MI
231-861-2500

Village of Shepherd
member since 1989
Shepherd, MI
989-828-5062

Village of Spring Lake
member since 2014
Spring Lake, MI
616-842-1393

Village of Union City
member since 2015
Union City, MI
517-741-8591

Village of Vicksburg
member since 2004
Vicksburg, MI
269-649-1919

Jeremy Walker
U.S. Army
member since 2015
Warren, MI
269-782-8200

Lisa M. Wallick
Metz
member since 2004
Saint Clair Shores, MI
517-568-4321

Village of Howard City
member since 2014
Howard City, MI
989-843-6621

City of Wayland
member since 1980
Wayland, MI
269-792-0686

Jeff Webb
City of Riverview
member since 2016
Riverview, MI
734-324-7142

Susan Watson
City of Davison
member since 1973
Davison, MI
517-371-1205

Eric J. Way
City of Saginaw
member since 1980
Saginaw, MI
810-364-9808

Jason Walters
Village of Farwell
member since 2015
Farwell, MI
517-741-8591

Village of Albion
member since 1990
Albion, MI
517-629-1210

Udids G. Vitins
member since 1990
Canton, MI
734-453-3460

Paul J. Vogel
Greeley and Hansen LLC
member since 1987
Chicago, IL
312-558-9000

Jeff D. Volkers
Holland Charter Township
member since 1999
Holland, MI
616-396-1891

Richard Gray Vreeland
Baraga, MI
member since 2008
Village of Baraga
616-669-4800

Matt Wade
City of Grand Haven
Dept. of Public Works
member since 2015
Grand Haven, MI
989-892-4841

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

James A. Webster
City of Howell
member since 1991
Howell, MI
517-546-5309

Teresa Weed Newman
Project Innovations, Inc
member since 2007
Farmington Hills, MI
248-310-3435

Duane Weeks
Village of Midville
member since 2011
Midville, MI
269-795-2094

Naubert Warner
Department of Public Works
member since 2003
Waterford, MI
313-791-6007

Timothy A. Warner
Isabella County Drain Office
member since 1989
Mount Pleasant, MI
517-882-9808

Brian Warren
member since 2008
Plainwell, MI
906-399-2909

Brian Wenglikowski
City of Howell
member since 2014
Howell, MI
989-828-1576

James A. Weinberg
Village of Colton
member since 2008
Colton, MI
269-432-2552

Richard Weinrich
Frenchtown Water
member since 1999
Newport, MI
734-289-1015

William Weinrich
City of Wyandotte
member since 2004
Wyandotte, MI
734-324-7142

Matthew C. Weldon
Plainfield Township Water Dept
member since 1991
Grand Rapids, MI
616-363-9808

Ken Wenglikowski
Bangor Township Water District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

W. Curtis White
White I&Q Consultants
member since 1988
Midland, MI
989-708-4610

City of Whitehall
member since 2014
Whitehall, MI
231-894-4948

Benjamin Whitehead
Black & Veatch
member since 2005
Grand Rapids, MI
616-459-2360

Keith Whittington
City of Marquette
member since 2007
Marquette, MI
906-250-6129

Todd Wibright
City of Grandville
member since 2006
Grandville, MI
616-365-9246

Ken Wenglikowski
Bangor Monitor Metro District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

W. Curtis White
White I&Q Consultants
member since 1988
Midland, MI
989-708-4610

City of Whitehall
member since 2014
Whitehall, MI
231-894-4948

Benjamin Whitehead
Black & Veatch
member since 2005
Grand Rapids, MI
616-459-2360

Keith Whittington
City of Marquette
member since 2007
Marquette, MI
906-250-6129

Todd Wibright
City of Grandville
member since 2006
Grandville, MI
616-365-9246

Ken Wenglikowski
Bangor Monitor Metro District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

W. Curtis White
White I&Q Consultants
member since 1988
Midland, MI
989-708-4610

City of Whitehall
member since 2014
Whitehall, MI
231-894-4948

Benjamin Whitehead
Black & Veatch
member since 2005
Grand Rapids, MI
616-459-2360

Keith Whittington
City of Marquette
member since 2007
Marquette, MI
906-250-6129

Todd Wibright
City of Grandville
member since 2006
Grandville, MI
616-365-9246

Ken Wenglikowski
Bangor Monitor Metro District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

W. Curtis White
White I&Q Consultants
member since 1988
Midland, MI
989-708-4610

City of Whitehall
member since 2014
Whitehall, MI
231-894-4948

Benjamin Whitehead
Black & Veatch
member since 2005
Grand Rapids, MI
616-459-2360

Keith Whittington
City of Marquette
member since 2007
Marquette, MI
906-250-6129

Todd Wibright
City of Grandville
member since 2006
Grandville, MI
616-365-9246

Ken Wenglikowski
Bangor Monitor Metro District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377

Jeffrey J. Weaver
Hampton Township
member since 2014
Essexville, MI
989-828-1576

W. Curtis White
White I&Q Consultants
member since 1988
Midland, MI
989-708-4610

City of Whitehall
member since 2014
Whitehall, MI
231-894-4948

Benjamin Whitehead
Black & Veatch
member since 2005
Grand Rapids, MI
616-459-2360

Keith Whittington
City of Marquette
member since 2007
Marquette, MI
906-250-6129

Todd Wibright
City of Grandville
member since 2006
Grandville, MI
616-365-9246

Ken Wenglikowski
Bangor Monitor Metro District
member since 2013
Bay City, MI
989-684-2570

Ken Wesley
U.S. Scada
member since 2014
Dexter, MI
517-641-7377
COUNCILS AND THEIR COMMITTEES AND TASK FORCES

CONFERENCE & RECOGNITION COUNCIL
Dave Sinson, Chair
Annual Conference Program
Christine Spitzley
Association Service Nomination
Janice Skadsen
Jerry Caron
Faust Award
Brian Steglitz
Brock Howard
Fuller Award
Khalil Atasi
Joint Expo
Jennifer Zelski
Manufacturer’s Advisory
Ira Gabin
Contests
Mike Schlegelmilch

COMMUNICATIONS COUNCIL
Cindy Irving, Chair
Community Awareness
Dave Sinson
Don Wozniak

EDUCATION & TRAINING COUNCIL
Bob Miller, Chair
Regional Meeting
Ray Berkin
Small Community Water Systems
Chris Kenyon
UP Coordinating
Mike Tromly
Youth Education
Mark Coleman

TRUSTEES
Stuart H. Bogue, Detroit 1965 Saginaw
Joseph M. Roonen, Jackson 1966 Saginaw
Albert Sabo, Kalamazoo 1963 Grand Rapids
Gerald Remus, Detroit 1962 Lansing
Toni Ekev, Traverse City 1961 Detroit
Herbert L. Kenneth, Frankenmuth 1960 Traverse City
Leo V. Garr, Detroit 1959 Saginaw
Robert E. Hans, Michigan 1958 Grand Rapids
Walter E. Smith, Detroit 1957 Detroit
Claud R. Erickson, Lansing 1956 Kalamazoo
Herschel O. Self, Flint 1955 Flint
Douglas Feteb, Detroit 1954 Muskegon
E. D. Berrett, Detroit 1953 Escanaba
Louis E. Ayres, Ann Arbor 1952 Battle Creek
George H. W. Yandow, Ypsilanti 1951 Benton Harbor
Jack E. Cooper, Detroit 1950 Detroit
John F. Oye, Lansing 1949 Traverse City
Paul Stegeman, Grand Rapids 1948 Flint
Everett D. Calkett, Jackson 1947 Bay City
R. Lee Sembusw, Muskegon 1946 Traverse City
Earl L. Holloway, Flint 1945 Grand Rapids
Louis B. Harrison, Bay City 1944 Jackson
Harison C. Cawell, Ann Arbor 1942 No Conference
Leo E. McQueen, Coldwater 1941 Grand Rapids
Jean L. de la Mare, Detroit 1940 Ann Arbor

GOVERNMENT AFFAIRS COUNCIL
Mark Coleman 2016-
Brian Steglitz 2013-2015
Dave Koch 2010-2013
Jerry Caron 2007-2010
Janice Skadsen 2004-2007
Charles Van Der Kolk 2001-2004
Sue McCormick 1998-2001
William Kelley 1995-1998
Donald E. Swan 1989-1992
Kenneth M. Squiers 1986-1989
Ervin H. A. Abbott, Jr. 1983-1986
John Holland 1977-1980

DIRECTORS
Mark Coleman 2016-
Brian Steglitz 2013-2015
Dave Koch 2010-2013
Jerry Caron 2007-2010
Janice Skadsen 2004-2007
Charles Van Der Kolk 2001-2004
Sue McCormick 1998-2001
William Kelley 1995-1998
Donald E. Swan 1989-1992
Kenneth M. Squiers 1986-1989
Ervin H. A. Abbott, Jr. 1983-1986
John Holland 1977-1980
Donald K. Shine 1974-1977
Stuart H. Bogue 1971-1974
T. L. Vander Veer 1968-1971
Gerald Remus 1965-1968
Claud Erickson 1962-1965
Herschel G. Self 1959-1962
Edward D. Barrett 1956-1959
Louis E. Ayres 1953-1956
Earl E. A. Bennett 1951-1953
Raymond J. Faust 1950-1951
Rene J. LaMarre 1947-1950
Laurence G. Lenthart 1944-1947
George H. Forsell 1938-1941

SECRETARY/TREASURERS
Brian Thurston 2012-
Eric J. Way 1997-2010
Richard S. Sacks 1987-1992
James C. Kiel 1982-1987

ASSISTANT SECRETARY/TREASURERS
Eric J. Way 1982-1983
James C. Kiel 1976-1982
Gordon E. Oliver 1976-1977
C. C. Crump 1976-1977
T. L. Vander Veer 1949-1967
Raymond J. Faust 1944-1949
Maurice N. Gerendy 1939-1944

RETURN TO TABLE OF CONTENTS
GEORGE WALTER FUCHS MEMORIAL AWARD
Randall Roos
Lansing 2016
Tom Idema
East Jordan 2016
Mark Coleman
Detroit 2014
Gary S. Logsdon
Lake Ann 2013
Khalil Z. Atasi
Detriot/Grand Rapids 2012
David S. Koch
Grand Rapids 2012
James J. Van De Wege
Holland 2010
Dave Timm
Grand Rapids 2009
Jerry Caron
Wyoming 2008
Bradley B. Brogren
Lansing 2007
Patsy S. Gray
Grand Rapids 2006
William J. Dixon
Lake Odessa 2005
Janie Skaden
Ann Arbor 2004
Eugene A. Glysson
Ann Arbor 2003
Charles Van Der Kolk
Zeeland 2002
Jerry Caron
Lansing 2001
Sue McCormick
Grand Rapids 2000
Thomas Newhof
Grand Rapids 1999
Warren L. Isaacson
Escanaba 1997
Thomas Newhof
Grand Rapids 1999
Wil, Elmer Brown
Lansing 1999
Warren L. Isaacson
Escanaba 1997

RAYMOND J. FAUST AWARD continued
Patrick Staskiewicz
Ottawa County 2014
Jon Bloemker
MDEQ 2015
RAYMOND J. FAUST AWARD
Patrick Staskiewicz
Ottawa County 2014
Jon Bloemker
MDEQ 2015

HONORARY MEMBERS
Gerald Caron
Wyoming 2015
Janice Skaden
Zeeland 2007
Ervin Stahl
Hastie 2005

terest Service Award
Ronald Hayes
Detroit 2015
Scott Hamelink
Lansing 2014
Alex Chimpouras
MHOG 2013
Barry Karthorn
Byron-Bailey 2012
Mike Grenier
Lansing 2011
Greg Gorman
Wyoming 2009
Robert Peter
MHSQ 2008
Mike Muller
East Lansing 2007
Mark Rose
Escanaba 2006
Victor Chichester
Midland 2005
John Wierenga
Grand Rapids 2004
Terry Velik
Grand Haven 2003
Mike Avellino
Lansing 2002
Paul Seepert
Quincy 2001
Roger Olson
Zeland 1999
Jim Van De Wege
Holland 1999
Gary Fisher
Traverse City 1998
Gregory Scott Allen
MHSQ 1997
Michael O’Malley
St. Joseph 1996
Robert Holfer
Grand Haven 1995
Larry Carrier
Grand Rapids 1994
Jerry Purne
Alpena 1993
Kenneth Anderson
MHSQ 1992
Robert Venekamle
MHSQ 1991
John Wierenga
Holland 1991
Merle Hendricks
Ironwood 1990
Willard Morley
Gladstone 1989
John C. Arne
Lake City 1989
Brian Ruddy
Cheboygan 1988
Cliff C. Albers
Grand Haven 1987
David Jansen
East Lansing 1986
Paul Mattausch
Blissfield 1985

AWWA WATER USAILITY HALL OF FAME
Donakoff, Steve
Wyoming 2003
Louis Ayres
Ann Arbor 1996
Gardner S. Williams
Ann Arbor 1992

OUTSTANDING SERVICE TO AWWA
Charles Van Der Kolk
Zeeland 2005
William A. Kelley
Ottawa County 2005
James J. Van De Wege
Holland 2005

GOLD WATER DROP AWARD
William Kelley
Lansing 2015
Gary Logsdon
Wyoming 2015
Saul Ste. Marie
Water Storage Tank 2015
Gosse Pointe Farms Water Treatment Plant 1994
Marine City Water Works 1992
Lake Water Superworks Sweetwater Commons Calumet 1991
Alpena Water Treatment Plant 1991
Water Works Park, Detroit 1988
Morroe Watersworks Flotation Plant 1985
Ann Arbor Barton Dam and Impoundment 1985
Grand Rapids Monroe Ave. 1980

AMBASSADOR OF MORALE
Eric J. Way
Lansing 2018
Gregory Sowa
Saginaw 1999
Gordon E. Olivier
Lansing 1991

PLATINUM PRESIDENTIAL AWARD
Eric J. Way
Grand Ledge 2014

SILVER WATER DROP AWARD
William Richards
Wyoming 2007

GREAT WATERS DROP AWARD
William Kelley
Lansing 2015
Gary Logsdon
Wyoming 2015
Saul Ste. Marie
Water Storage Tank 2015
Gosse Pointe Farms Water Treatment Plant 1994
Marine City Water Works 1992
Lake Water Superworks Sweetwater Commons Calumet 1991
Alpena Water Treatment Plant 1991
Water Works Park, Detroit 1988
Morroe Watersworks Flotation Plant 1985
Ann Arbor Barton Dam and Impoundment 1985
Grand Rapids Monroe Ave. 1980

AWWA LANDMARKS
John Dye Water Conditioning Plant 2014
Mt. Clemens Waters Filtration Plant 2013
Saul Ste. Marie Water Storage Tank 1990
Gosse Pointe Farms Water Treatment Plant 1994
Marine City Water Works 1992
Lake Water Superworks Sweetwater Commons Calumet 1991
Alpena Water Treatment Plant 1991
Water Works Park, Detroit 1988
Morroe Watersworks Flotation Plant 1985
Ann Arbor Barton Dam and Impoundment 1985
Grand Rapids Monroe Ave. 1980

RETURN TO TABLE OF CONTENTS
Our MI-AWWA Buyers’ Guide consists of two sections:
1. A categorical listing of products and services, including a list of the companies that provide them.
2. An alphabetical listing of the companies appearing in the first section.
   This listing includes name, contact info, website and more.

CATEGORIES

ACCESS HATCHES
EJ

AIR STRIPPING
Medora Corp.,
home of SolarBee and GridBee brands

CHEMICAL/GASES
TGO Technologies

CHEMICAL PROCESSING & FEED SYSTEMS
ARCADIS
Franklin Miller Inc.
Fluid Process Equipment
TGO Technologies
Waterworks Systems & Equipment, Inc.

COATINGS, LININGS, & CORROSION CONTROL
Utility Service Group

CONSTRUCTION CASTINGS
EJ

CONTRACTORS
HD Supply Waterworks
Kerr Pump & Supply

CSO & STORMWATER EQUIPMENT
Hydro International

CSO/SSO CONTROLS, WATER RESOURCES, DISTRIBUTION & COLLECTION
AECOM
CDM Smith Michigan Inc.
Fishbeck, Thompson, Carr & Huber, Inc.
Greeley and Hansen
Hubbell, Roth & Clark, Inc.
Hydro International

DATA MANAGEMENT
Eramosa

DISINFECTION/EQUIPMENT
TGO Technologies

ELECTRICAL INSTRUMENTATION/CONTROLS/GENERATORS
AECOM
Fishbeck, Thompson, Carr & Huber, Inc.
Kerr Pump & Supply
Peerless-Midwest, Inc.
UIS SCADA Inc.

ELECTRONIC VALVES
Cla-Val

ENGINEERS/CONSULTANTS
AECOM
ARCADIS
CDM Smith Michigan Inc.
Dixon Engineering, Inc.
Eramosa
Fishbeck, Thompson, Carr & Huber, Inc.
Greeley and Hansen
Hubbell, Roth & Clark, Inc.
Kerr Pump & Supply
Williams & Works, Inc.

ENVIRONMENTAL CONTAMINANT TREATMENT SYSTEMS
TGO Technologies

FILTER MEDIA
Layne Christensen
Peerless-Midwest, Inc.
Utility Service Group

FILTRATION
Kennedy Industries, Inc.
Layne Christensen
Fluid Process Equipment
Utility Service Group
Waterworks Systems & Equipment, Inc.

FINANCIAL SERVICES
ARCADIS

FRP DOORS & GRATING
J.G.M. VALVE CORP.

GENERAL INDUSTRIAL
Franklin Miller Inc.

GEOGRAPHIC INFORMATION SYSTEMS
CDM Smith Michigan Inc.

GRIT REMOVAL
Hydro International

ICE PIGGING PIPES
Utility Service Group

INSPECTORS/LOCATORS
Dixon Engineering, Inc.
LABORATORIES/SUPPLIES
KAR Laboratories, Inc.
Prein & Newhof

LABORATORY TESTING
KAR Laboratories, Inc.

MANHOLE COVERS & FRAMES
Ej

MANHOLE REHABILITATION
LiquiForce

METERS/METER TESTING
M.E. Simpson Co., Inc.
SLC Meter LLC
UIS SCADA Inc.
United Systems & Software

METER READING SYSTEMS
SLC Meter LLC
United Systems & Software
Utility Service Group

ODOR CONTROL SOLUTIONS
Bluewater Engineered Storage Systems
J.G.M. VALVE CORP.
Kennedy Industries, Inc.
Layne Christensen
Medora Corp.,
home of SolarBee and GridBee brands
Prein & Newhof
PVS Technologies
Waterworks Systems & Equipment, Inc.

OPERATION SERVICES
American Cast Iron Pipe Company
Utility Service Group

PIPE & APPURTEINENCES
Bluewater Engineered Storage Systems
Forterra
HD Supply Waterworks
Krausz USA
SLC Meter LLC

PIPE REPAIR PRODUCTS
Krausz USA

PIPELINE REHABILITATION
LiquiForce

PROCESS MECHANICAL
CDM Smith Michigan Inc.

PUMPS/PUMP SYSTEMS
Fishbeck, Thompson, Carr & Huber, Inc.
Fluid Process Equipment
HD Supply Waterworks
Hubbell, Roth & Clark, Inc.
J.G.M. VALVE CORP.
Kennedy Industries, Inc.
Kerr Pump & Supply
Layne Christensen
Peerless-Midwest, Inc.
Prein & Newhof
Vesconite

PUMP REPAIR & FIELD SERVICE
Kennedy Industries, Inc.

RESIDUALS/WASTE MANAGEMENT
ARCADIS
Greeley and Hansen
Hydro International
Waterworks Systems & Equipment, Inc.

SAFETY PRODUCTS
TGO Technologies

SCADA SYSTEMS
UIS SCADA Inc.

SEPTAGE RECEIVING FACILITIES
Franklin Miller Inc.

STORAGE TANKS/RESERVOIR SYSTEMS
AECOM
Bluewater Engineered Storage Systems
Dixon Engineering, Inc.
DN Tanks, Inc.
Hubbell, Roth & Clark, Inc.
Pittsburg Tank & Tower Maintenance Co.
Utility Service Group

SURVEYING
Prein & Newhof

TANK MAINTENANCE & INSPECTIONS
Pittsburg Tank & Tower Maintenance Co.

TRANSFER SWITCHES
UIS SCADA Inc.

UTILITY BILLING SOFTWARE
United Systems & Software

UV DISINFECTION
Fluid Process Equipment

VALVE ASSESSMENTS/ HYDRANT FLOW TESTING/SMOKE TESTING
M.E. Simpson Co., Inc.

VALVES
American Cast Iron Pipe Company
Cla-Val
Ej
HD Supply Waterworks
J.G.M. VALVE CORP.
Kennedy Industries, Inc.
Kerr Pump & Supply
M.E. Simpson Co., Inc.
SLC Meter LLC
UIS SCADA Inc.
United Systems & Software
Utility Service Group

WATER DISTRIBUTION SUPPLIES
DN Tanks, Inc.
SLC Meter LLC

WATER QUALITY MONITORS
Medora Corp.,
home of SolarBee and GridBee brands

WATER SAVING VALVES
Cla-Val

WATER TREATMENT CHEMICALS
PVS Technologies
Water Solutions Unlimited

WATER/WASTEWATER TREATMENT SYSTEMS
AECOM
ARCADIS
Bluewater Engineered Storage Systems
CDM Smith Michigan Inc.
Franklin Miller Inc.
Fishbeck, Thompson, Carr & Huber, Inc.
Fluid Process Equipment
Greeley and Hansen
HD Supply Waterworks
Hubbell, Roth & Clark, Inc.
Hydro International
J.G.M. VALVE CORP.
Layne Christensen
Medora Corp.,
home of SolarBee and GridBee brands
Peerless-Midwest, Inc.
Prein & Newhof
TGO Technologies
Waterworks Systems & Equipment, Inc.
AECOM
Troy Naperala, PE
10850 Traverse Highway, Suite 3365
Traverse City, MI 49684
231-922-4301
troy.naperala@aecom.com
www.aecom.com

American-Ductile Iron Pipe
Jordan Byrd
1501 31st Avenue North
Birmingham, AL 35207
205-307-2969
jordanbyrd@american-usa.com
www.American-usa.com

American Spiralweld Pipe
Jordan Byrd
1501 31st Avenue North
Birmingham, AL 35207
205-307-2969
jordanbyrd@american-usa.com
www.American-usa.com

ARCADIS
Bob Stevenson
1001 Woodward Avenue, Suite 1000
Detroit, MI 48226
313-965-8436
robert.stevenson@arcadis-us.com
www.arcadis-us.com

Bluewater Engineered Storage Systems
Mark Nelson
2000 Town Center, Suite 1000
Southfield, MI 48075
248-351-9773
mnelson@bluewaterstoragesystems.com
www.bluewaterstoragesystems.com

CDM Smith Michigan Inc.
Mark TenBroek
645 Griswold Street, Suite 3770
Detroit, MI 48226
313-963-1313
tenbroekmj@cdmsmith.com
www.cdmsmith.com

Cla-Val
Jim Graber in Michigan/Phyllis Dretzka in Costa Mesa CA
1701 Placentia Avenue
Costa Mesa, CA 92627
800-942-6326
info@cla-val.com
www.cla-val.com

Dixon Engineering, Inc.
Ira Gabin, P.E.
1104 Third Avenue
Lake Odessa, MI 48849
616-374-3221
dixon@dixonengineering.net
www.dixonengineering.net

DN Tanks, Inc.
Steve Applegate
100 West Court Avenue, Suite 109
Jeffersonville, IN 47130
317-517-5771
steve.applegate@dntanks.com
www.DNTanks.com

EJ
John Hunter
301 Spring Street
East Jordan, MI 49727
800-626-4653
john.hunter@ejco.com

Eramosa
Tim Kruse
400 Renaissance Center, Suite 2600
Detroit, MI 48243
313-556-2840
tim.kruse@eramosa.com
www.eramosa.com

Fishbeck, Thompson, Carr & Huber, Inc.
Christopher Frilen
1515 Arborumette Drive, SE
Grand Rapids, MI 49546
616-464-3715
cfrilen@ftch.com
www.ftch.com

Fluid Process Equipment
Jim Hoffmann
4797 Campus Drive
Kalamazoo, MI 49008
269-345-1923
jhoffman@sunsrce.com
www.fpepumps.com

Forterra
Sheila Griffin
511 E. John Carpenter Freeway,
Suite 600
Irving, TX 75062
972-266-7519
sheila.griffin@forterrabp.com
www.forterrabp.com

Franklin Miller Inc.
Dave Schuppe
60 Okner Parkway
Livingston, NJ 07039
973-535-9200
info@franklinmiller.com
www.franklinmiller.com

Greeley and Hansen
Deborah Veal
1001 Woodward Avenue, Suite 850
Detroit, MI 48226
dveal@greeley-hansen.com

HD Supply Waterworks
hdswaterworks.com

Hubbell, Roth & Clark, Inc.
Jesse VanDeCreek, P.E.
555 Hulet Drive, P.O. Box 824
Bloomfield Hills, MI 48303-0824
248-454-6300
jvandecreek@hrc-engr.com
www.hrc-engr.com

Hydro International
2925 NW Aloclek, Suite 140
Hillsboro, OR 97124
866-615-8130
wwinityus@hydro-int.com
www.hydro-int.com

J.G.M. VALVE CORP.
Joe Maruskin
1155 Welch Road, Suite D
Commerce, MI 48390
248-926-6200
contact@jgvalve.com
www.jgvalve.com

KAR Laboratories, Inc.
Jayne Rauch
4425 Manchester Road
Kalamazoo, MI 49001
269-381-9666
jrauch@karlabs.com
www.karlabs.com

Kennedy Industries, Inc.
Mark Hemeyer
4925 Holtz Drive
Wixom, MI 48393
248-684-1200
mjh@kennedyind.com
www.kennedyind.com

PUMPS  |  VALVES  |  CONTROLS  |  FIELD SERVICE  |  REPAIR
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contact Person</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerr Pump &amp; Supply</td>
<td>Glenn Kline</td>
<td>12880 Cloverdale, Oak Park, MI 48237</td>
<td>248-543-3880</td>
<td><a href="mailto:glenn@kerrpump.com">glenn@kerrpump.com</a></td>
<td><a href="http://www.kerrpump.com">www.kerrpump.com</a></td>
</tr>
<tr>
<td>Krausz USA</td>
<td>Pete Brown</td>
<td>331 SW 57th Avenue, Ocala, FL 34474</td>
<td>352-817-1295</td>
<td><a href="mailto:pete.brown@krauszusa.com">pete.brown@krauszusa.com</a></td>
<td><a href="http://www.krauszusa.com">www.krauszusa.com</a></td>
</tr>
<tr>
<td>Layne Christensen</td>
<td>Theodore Batkie</td>
<td>3126 N. Martin Luther King Jr. Boulevard</td>
<td>517-323-4931</td>
<td><a href="mailto:ted.batkie@layne.com">ted.batkie@layne.com</a></td>
<td><a href="http://www.layne.com">www.layne.com</a></td>
</tr>
<tr>
<td>LiquiForce</td>
<td>John Thompson</td>
<td>28529 Goddard Road, Suite 106, Romulus</td>
<td>734-231-6691</td>
<td><a href="mailto:jthompson@liquiforce.com">jthompson@liquiforce.com</a></td>
<td><a href="http://www.liquiforce.com">www.liquiforce.com</a></td>
</tr>
<tr>
<td>M.E. Simpson Co., Inc.</td>
<td>Natalie N. Wainscott</td>
<td>3406 Enterprise Avenue, Valparaiso, IN 46383</td>
<td>800-255-1521</td>
<td><a href="mailto:natalien@mesimpson.com">natalien@mesimpson.com</a></td>
<td><a href="http://www.mesimpson.com">www.mesimpson.com</a></td>
</tr>
<tr>
<td>Peerless-Midwest, Inc.</td>
<td>Bob Masters</td>
<td>505 Apple Tree Drive, Ionia, MI 48846</td>
<td>616-527-0050</td>
<td><a href="mailto:robert.masters@peerlessmidwest.com">robert.masters@peerlessmidwest.com</a></td>
<td><a href="http://www.peerlessmidwest.com">www.peerlessmidwest.com</a></td>
</tr>
<tr>
<td>Pittsburgh Tank &amp; Tower Maintenance Co.</td>
<td>Joella Duncan</td>
<td>P.O Box 913, Henderson, KY 42419</td>
<td>270-826-9000</td>
<td><a href="mailto:sales@watertank.com">sales@watertank.com</a></td>
<td><a href="http://www.watertank.com">www.watertank.com</a></td>
</tr>
<tr>
<td>Prein &amp; Newhof</td>
<td>Kimberly Jongsmmaa</td>
<td>3355 Evergreen Drive NE, Grand Rapids, MI 49525</td>
<td>616-364-8491</td>
<td><a href="mailto:kjongsmma@preinnewhof.com">kjongsmma@preinnewhof.com</a></td>
<td><a href="http://www.preinnewhof.com">www.preinnewhof.com</a></td>
</tr>
<tr>
<td>PVS Technologies</td>
<td>Kara Hible</td>
<td>10900 Harper Avenue, Detroit, MI 48213</td>
<td>800-337-7428</td>
<td><a href="mailto:khible@pvschemicals.com">khible@pvschemicals.com</a></td>
<td><a href="http://www.pvschemicals.com">www.pvschemicals.com</a></td>
</tr>
<tr>
<td>SLC Meter LLC</td>
<td>John Traynor</td>
<td>595 Bradford Street, Pontiac, MI 48341</td>
<td>248-625-0667</td>
<td><a href="mailto:jtraynor@slcmeter.com">jtraynor@slcmeter.com</a></td>
<td><a href="http://www.slcmeter.com">www.slcmeter.com</a></td>
</tr>
<tr>
<td>TGO Technologies</td>
<td>Ken Wesley</td>
<td>2290 Bishop Circle East, Dexter, MI 48130</td>
<td>734-424-1200</td>
<td><a href="mailto:ken.wesley@uiscorp.com">ken.wesley@uiscorp.com</a></td>
<td><a href="http://www.uiscorp.com">www.uiscorp.com</a></td>
</tr>
<tr>
<td>UIS SCADA Inc.</td>
<td>Steve Flaherty</td>
<td>205 Ash Street, Benton, KY 42025</td>
<td>260-515-3800</td>
<td><a href="mailto:stevef@united-systems.com">stevef@united-systems.com</a></td>
<td><a href="http://www.united-systems.com">www.united-systems.com</a></td>
</tr>
<tr>
<td>Utility Service Group</td>
<td>Dan Kitchen</td>
<td>1230 Peachtree NE, Suite 1100, Atlanta</td>
<td>855-526-4413</td>
<td><a href="mailto:help@utilityservice.com">help@utilityservice.com</a></td>
<td><a href="http://www.utilityservice.com">www.utilityservice.com</a></td>
</tr>
<tr>
<td>Vesconite</td>
<td></td>
<td>2 Watkins Street, Denver, Johannesburg, South Africa</td>
<td>011271161111</td>
<td><a href="mailto:vesconite@vesconite.com">vesconite@vesconite.com</a></td>
<td><a href="http://www.vesconite.com">www.vesconite.com</a></td>
</tr>
<tr>
<td>Water Solutions Unlimited</td>
<td>Mark McKee</td>
<td>295 Industrial Drive, Franklin, IN 46131</td>
<td>317-339-6639</td>
<td><a href="mailto:mmckee@getwsu.com">mmckee@getwsu.com</a></td>
<td><a href="http://www.getwsu.com">www.getwsu.com</a></td>
</tr>
<tr>
<td>Waterworks Systems &amp; Equipment, Inc.</td>
<td>Dave Connors/Chuck Kronk</td>
<td>P.O. Box 575, Lakeland, MI 48143</td>
<td>810-231-1200</td>
<td><a href="mailto:ckronk@waterworksyssystems.com">ckronk@waterworksyssystems.com</a></td>
<td><a href="http://www.waterworksyssystems.com">www.waterworksyssystems.com</a></td>
</tr>
<tr>
<td>Williams &amp; Works, Inc.</td>
<td>Dave Austin</td>
<td>549 Ottawa Avenue NW, Grand Rapids, MI 49503</td>
<td>616-224-1500</td>
<td><a href="mailto:austin@williams-works.com">austin@williams-works.com</a></td>
<td><a href="http://www.williams-works.com">www.williams-works.com</a></td>
</tr>
</tbody>
</table>

**Utility Service Group**

Utility Service Group
1230 Peachtree NE, Suite 1100
Atlanta, GA 30309
855-526-4413
help@utilityservice.com
www.utilityservice.com
AMERICAN is proud to introduce the latest innovation for iron pipe, zinc coating. Zinc has been used to extend the life of iron pipe for more than 50 years. Internationally, this advanced coating system has been used to protect millions of feet of iron pipe in the most demanding environments.

AMERICAN began supplying zinc coating for our export orders more than 30 years ago. Now, we're pleased to offer this proven system to markets here at home. Zinc coating significantly extends the life of an already rugged and reliable product – ductile iron pipe.

Zinc Basecoat
Asphaltic Topcoat

With more than 25 years in the industry, Regional Manager, Dan McVay, is retiring after 15 years of service with DN Tanks. He has been an active member of AWWA and was a deserving recipient of the Fuller, LaDue, Lechner and Water Wheel awards. We appreciate his years of dedication, support and commitment to our customers and to the industry. We wish Dan and his wife, Sharon, well as they embark on this new journey.

As Dan leaves, we welcome a new addition to the DN Tanks family. We are pleased to introduce your new point of contact for your area, Steve Applegate. Please feel free to contact Steve regarding new and/or existing tank projects.

STEVE APPLEGATE, REGIONAL MANAGER
317.517.5771 | STEVE.APPLEGATE@ONTANKS.COM

WELCOME STEVE APPLEGATE
Clean water, local resources

AECOM is uniquely positioned to deliver fully integrated services spanning the entire lifecycle of your water, wastewater and stormwater projects.

Detroit • Grand Rapids • Marquette • Southfield • Traverse City

T: 1.248.922.4301  aecom.com

SULZER

www.sulzer.com

Sulzer’s SNS process pump range not only meets the criteria, but breaks all records by exceeding MEI 0.7 requirements! The Sulzer SNS pump range offers maximum efficiency, improved reliability, and minimized total cost of ownership (TCO). It is truly ahead of the game.

Fluid Process Equipment
a Sundance Company

For more information, contact
Jim Hoffman • 269-345-1923
jhoffman@sunrce.com
www.fepumps.com

Delivering sustainable solutions and exceptional results.

We are 27,000 smart, talented and driven people committed to exceptional and sustainable outcomes. We collaborate. We innovate. We deliver results.

We are Arcadis.
Improving quality of life.

WWW.ARCADIS.COM
There has been much in the news about the water crisis in Flint and the length of time that it took for government officials to react to this crisis. This paper looks into what happened to the Flint water system and why the distributed water was so corrosive.
Beginning in 1967, Flint purchased its water from the Detroit Water and Sewage Department (DWSD). The Flint Water Service Center (FWSC) treated Flint River water two to four times a year, for periods of a few days and the treated water was discharged into the Flint River (as per their NPDES permit). On April 16, 2014, the FWSC switched from distributing drinking water from DWSD to treating water at their facility in Flint. In doing this, the source water changed from Lake Huron to the Flint River. Within a few weeks of the switch, residents started complaining about the color, taste, and odor of the water. In May 2014, they informed officials that the water was causing rashes, especially in children. General Motors Corporation complained about the corrosiveness of the water toward their engine parts and switched water supplies in October 2014. Problems were also experienced in Flint with low chlorine residuals and in August and September 2014, the water exceeded regulatory limits for E. coli. As a result, three boil water alerts were issued within a 22 day period. The high chlorine dosages that were used resulted in violations for total trihalomethanes (TTHMs), byproducts formed from the reactions of naturally occurring organic matter (NOM) with chlorine. With the assistance of two engineering firms, the FWSC tried to address the TTHM and bacteria problems. Initially they increased the coagulant dosage and discontinued the softening bypass stream; however, when that did not work activated carbon was recommended. After replacing the anthracite media with granular activated carbon and repairing the ozonation system, the TTHM levels were brought under control.

The problem that has received the most attention is the lead in the Flint water. In March 2015, the city of Flint sampled Flint resident Lee Ann Walters’ home, and found high concentrations of lead in her water. Subsequent testing of 120 samples by Virginia Tech professor Marc Edwards found that the water in 24 homes contained high lead levels. In September, doctors led by a local pediatrician, Dr. Mona Hanna-Attisha, published data showing that blood lead levels (BLLs) in children increased significantly after the switch to Flint River as a water source (Hanna-Attisha et al., 2016). In the area of Flint with the highest lead levels in the water, the BLLs in children tested increased by a factor of about 2.5. After much publicity regarding the lead problem, the source water was switched back to Lake Huron treated by DWD on October 16, 2015. As the lead levels remained high in some houses, the concentration of the phosphate corrosion inhibitor was increased on December 9, 2015, when FWSC began adding an additional ~2.5 mg/L phosphoric acid as (P), to try to enhance the formation of the protective coating on the pipes.

So what happened? The red color of the water observed by the residents...
was due to corrosion of the iron pipes. While FWSC took steps, such as flushing the mains by opening fire hydrants, they never seemed to address the root cause of the corrosion of the pipes. Iron corrosion is very complex. There are several reasons that the iron corroded. A corrosion inhibitor (e.g., phosphate) was not added to the water. The chloride content of the treated water was high (60-92 mg/L) and, as shown in Figure 1, the pH and alkalinity of the treated water was low. For 18 months the chloride content of the treated water was high, not only because the chloride concentration of the Flint River water was ~45 mg/L, but because ferric chloride was used as a coagulant. The pH decreased by up to one log unit as a result of the treatment. Treatment for softening and turbidity removal, along with disinfection, reduced the alkalinity by as much as 190 mg/L as CaCO₃. As a result of the reduction in the pH, alkalinity, and hardness, the water was undersaturated with respect to calcium carbonate and corrosive to the iron pipes. In addition, it is possible that the corrosion problem was exacerbated by bacterial regrowth in the pipes, as a result of low chlorine residuals and the likely presence of low molecular weight-easily metabolized compounds formed from the reaction of ozone with NOM.

The reduction in pH and alkalinity and the high chloride levels in the treated water also resulted in lead corrosion. With reduced alkalinity, lead carbonate minerals (cerussite, PbCO₃; hydrocerussite, Pb₃(PO₄)₂(OH)₂) were not able to effectively passivate the lead service lines. As phosphate was not added, for 18 months phosphate minerals such as chloropyromorphite, Pb₅(PO₄)₃Cl, or hydroxylpyromorphite, Pb₅(PO₄)₃OH were not favorable, thereby leaving the lead pipes unprotected against corrosion.

Commonly used indices could have predicted that the treated Flint River water would likely corrode the iron and lead pipes. For example, the decision tool shown in Figure 2 uses the chloride to sulfate mass ratio (CSMR) to predict the corrosivity of water towards lead piping. At the range of CSMR values found in the treated Flint River water (2.8-3.9), corrosion of lead pipes would be anticipated. As shown in Figure 1, before July 2015, the alkalinity of the water was greater than 50 mg/L as CaCO₃ so the corrosivity of water would have been a concern. However, after this time, the alkalinity of the water was less than 50 mg/L and the CSMR continued to greatly exceed 0.5, increasing the concern of corrosion. Similarly, corrosion indices such as the Langelier Saturation Index and Larson-Skold Index suggest that the water was likely to be corrosive to iron pipes. Finally, neither was the water treated to achieve optimal corrosion control nor was a corrosion inhibitor added while the Flint River water was being treated.

In the wake of the corrosion and lead exposure that occurred, the Michigan Department of Environmental Quality (MDEQ) conducted extensive sampling and analysis of the Flint water. Approximately 9.6% of the samples collected as part of MDEQ’s Sentinel Sampling (in February 2016) continued to have lead levels above the federal action level of 15 ppb. Seven of the 616 samples had lead levels exceeding 150 ppb, the maximum level at which the point-of-use filters provided are rated. The highest lead levels measured exceeded 3,200 ppb. Based on a more extensive data set collected by MDEQ (>13,000 samples, since September 2015), it appears that in a significant number of premises, the lead levels are still high and that it may take more than a year for lead levels to reach a point where the concentrations of all samples are below the action level. Clearly, there is much to be done before the water crisis in Flint is over.

Citations

MI AWWA RESEARCH AND TECHNICAL PRACTICES AWARD

2016 AWARD APPLICATION FOR FINALISTS

Complete and return to: Jesse B. VanDeCreek, P.E.  p. 248-454-6300
Hubbell, Roth & Clark, Inc.  f. 248-454-6345
555 Hulet Drive, Bloomfield Hills, Michigan 48302  jvandecreek@hrc-engr.com

Fax or mail the application with appropriate signatures. Applications must be received by August 15, 2016.
All entries must be available for distribution or publication by the Michigan Section, AWWA.

1. Name and Nomination Authorization of Utility(s) and/or Organizations Involved in Research or Technical Practice

Utility/Organization Name: ____________________________ Title: ____________________________
Authorized by: ____________________________ Title: ____________________________
Signature: __________________________________________________________

Utility/Organization Name: ____________________________ Title: ____________________________
Authorized by: ____________________________ Title: ____________________________
Signature: __________________________________________________________

2. Individuals Involved in Research or Technical Practice

Name: ____________________________ Title: ____________________________
Employer: ____________________________ Address: ____________________________ Phone: ____________________________
_________________________________________ Email: ____________________________

Name: ____________________________ Title: ____________________________
Employer: ____________________________ Address: ____________________________ Phone: ____________________________
_________________________________________ Email: ____________________________

Name: ____________________________ Title: ____________________________
Employer: ____________________________ Address: ____________________________ Phone: ____________________________
_________________________________________ Email: ____________________________

Name: ____________________________ Title: ____________________________
Employer: ____________________________ Address: ____________________________ Phone: ____________________________
_________________________________________ Email: ____________________________

3. Nominated By: ____________________________

Address: ____________________________ Phone: ____________________________
_________________________________________ Email: ____________________________

Signature: ____________________________ Date: ____________________________

4. Attach a clear and understandable summary of the Goals, Procedures, Data and Results, and Conclusions of the research or technical practice you would like considered for the “Research and Technical Practices Award.”
MEMBER UPDATE

WATER SECURITY SUMMIT

The Michigan AWWA Water Security committee is pleased to announce its annual Water Security Conference will be held May 18 at the Eagle Eye conference Center in Bath, Mich.

The goal of the conference is to provide municipal management with an update on governmental security guidelines and networking event with other municipal leaders.

Keynote speaker will be Kevin Morley- AWWA National Water Security Preparedness Director. He will be discussing:
- Reality of the Threat Environment
- Water Sector Cyber Risk Management
- Key Available Resources

We will share an update on MIWARN and conduct tabletop exercise and hot wash group lessons learned discussions. Will qualify for .5 CECs.

For registration, visit www.mi-water.org. Member fee $110, Non-member fee $155.

MI AWWA RESEARCH AND TECHNICAL PRACTICES AWARD

2016 NOMINATION FORM

Complete and return to:  Jesse B. VanDeCreek, P.E.  p. 248-454-6300
Hubbell, Roth & Clark, Inc.  f. 248-454-6345
555 Hulet Drive, Bloomfield Hills, Michigan 48302  jvandecreek@hrc-engr.com

Nominations must be received by June 15, 2016. Electronic, faxed, or mailed nominations will be accepted. All entries must be available for distribution or publication by the Michigan Section, AWWA.

1. Name of Utility(s) and Organization(s) ____________________________

2. Names of Individuals Involved in Research or Involved in Research or Technical Practice (Optional) ____________________________

3. Goals of Research or Technical Practice ____________________________

4. Summary or Conclusions of Research or Technical Practice ____________________________

5. Nominated By: ____________________________ Date: ____________________________
Representing: ____________________________ Address: ____________________________
Phone: ____________________________ Email: ____________________________

WATER WORKS NEWS  | Spring 2016

ENVIRONMENTAL ANALYSIS WITH PROVEN RESULTS

Kalamazoo, Michigan
Serving Michigan for over 55 years
Call Us for Your Environmental Testing Needs
Drinking Water • Soil • Air
Wastewater • Hazardous Waste

PROVEN LABORATORY PERFORMANCE
Ultra-Trace Mercury analysis - EPA Method 1631
BioSolids
Available Cyanide - Method OIA 1677
EDTA In water by HPLC

Phone (269) 381-9666  Fax (269) 381-9698
www.karlabs.com  Email info@karlabs.com
MEMBER UPDATE

MEET JOE VANDERSTEL

Joe is the 54-year-old F1-S1 licensed Water Facilities Manager for the City of Grand Haven & Northwest Ottawa Water System. Before he attended Lake Superior State University (LSSU) and Grand Valley State University (GVSU), where he earned two associates degrees; one in Natural Resources Technology and another in Water Quality Technology as well as a bachelor’s degree in Biology, Joe graduated high school from and worked in Grand Haven where he was raised. Being a hometown man, Joe went looking for employment in West Michigan and was fortunate to find his first job in the water industry as an operator for the City of Grand Haven.

With patience and perseverance, Joe gained a good foundation of water treatment knowledge and experience and after 16 years, was promoted to Water Facilities Manager. He is still just as excited about water as ever and continues to learn all he can about providing safe drinking water. With inspiration from past supervisors and some very good engineers, Joe hopes to someday teach others about filtration and the importance it has on community health.

Seeing as how he still gets excited about water projects, he is bound to become an inspiration to other water industry professionals just as so many others were and are for him.

For Joe, getting more operators from different sized communities involved with MI-AWWA is important. To accomplish this, Joe suggests we use marketing, job fairs, and outreach and education. The resources that MI-AWWA can provide to operators will become more of a necessity.

REMEMBER ON TRAININGS

Here’s what is coming up for the remainder of the year.

**May**
- 10-12 Short Course in Water Bacteriology
- 18 Lab Practices Seminar
- 18 Water Security Summit

**June**
- 7 Small Systems Workforce Development Workshop
- 16 Small Systems Conference
- 19-22 AWWA ACE16 in Chicago

**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.

**REMINDER ON TRAININGS**

Here’s what is coming up for the remainder of the year.

May
- 10-12 Short Course in Water Bacteriology
- 18 Lab Practices Seminar
- 18 Water Security Summit

June
- 7 Small Systems Workforce Development Workshop
- 16 Small Systems Conference
- 19-22 AWWA ACE16 in Chicago

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.
as regulations change in an effort to continue providing safe drinking water to everyone, but involvement can be a large challenge for smaller communities who don’t always have the luxury of time to get involved and stay involved. With more open doors and opportunities from the section, an operator who is outgoing and eager to be involved may spark others to participate. Joe thinks MI-AWWA can provide that foundation. He is also focused on several training possibilities. Something he would like to observe is training that would encompass “How to respond to an emergency” that would be geared toward those many “what if this happens to you moments” in which new and existing operators would see value.

For now, Joe stays busy managing employees at the water facility that he calls home. With the completion of a 2012 expansion and renovation project that included a water pumping station at the lake, there is no shortage of work for Joe. Even with his plate full, Joe finds time to follow other passions by volunteering his time for Junior Achievement, the AWWA MI Section Education and Training Council, and as the Environmental and Natural Resources Committee Liaison. With plans to start an outreach and education program where he uses water models showing the water treatment process from source, to filtration, to wastewater treatment, Joe is sure to leave a lasting impact on the water industry.

Detroit · Guelph · Calgary · Toronto · London
eramosa.com  313 · 556 · 2840

• NO Sandblasting • NO Painting
• Low maintenance
• Lowest life cycle cost
• Quick, on-site construction
• Expandable • Relocatable

2000 Town Center, Suite 1900, Southfield, Michigan 48075
Phone: 248-351-9773  Office: 248-351-2699
www.bluewaterstoragesystems.com
CLEAN WATER INFRASTRUCTURE FUNDING OPPORTUNITIES

The DEQ will soon accept applications from communities interested in low-interest loans to help address aging infrastructure.

Michigan’s State Revolving Fund (SRF) and Drinking Water Revolving Fund (DWRF) every year provide communities with low-interest loans for the planning, design and construction of wastewater, nonpoint source pollution control and drinking water system projects. Interest rates range between 2 to 3 percent.

The first step for communities interested in applying is to submit a project plan by May 1 for drinking water projects or by July 1 for wastewater and nonpoint source projects. For further information on the loan programs, visit the Revolving Loan website at www.michigan.gov/cleanwaterrevolvingfund or call 517-284-5433 to talk with a revolving loan project manager.

SARA TITLE III - EMERGENCY PREPAREDNESS FOR MICHIGAN FACILITIES AND THEIR COMMUNITIES

SARA Title III, also known as the Emergency Planning and Community Right-to-Know Act, requires facilities to report information to state and local officials that can be vital to the safety of their community. SARA Title III establishes requirements for Federal, State and local governments, Indian Tribes, and industry regarding emergency planning and “Community Right-to-Know” reporting on hazardous and toxic chemicals. The Community Right-to-Know provisions help increase the public’s knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. The SARA Program tracks hazardous chemical storage and shares this information with Local Emergency Planning Committees and fire departments. The information is used to develop community emergency management plans that are utilized in case of an emergency in the community or at an individual facility. This information can be used to improve chemical safety and protect public health and the environment.

Sections 311 and 312 of SARA Title III address emergency and hazardous chemical inventory reporting. Over 6,000 facilities in Michigan submit hazardous chemical inventories or Tier II Reports to the Michigan SARA Title III Program, Local Emergency Planning Committees (LEPCs), and local fire departments. These reporting requirements apply to any facility storing hazardous materials above certain thresholds that must maintain a safety data sheet (SDS) in accordance with the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200 or are storing Extremely Hazardous Substances.

SARA Title III Training Opportunities:
• Tier II reporting workshops will be offered in 2016. Please see the DEQ Calendar, Events and Training website to register at www.michigan.gov/deq/0,4561,7-135-3308_3333-292960--,00.html.
• A SARA Title III - Tier II Reporting Basics webinar is also being offered. Please go to the following website to register www.michigan.gov/deq/0,4561,7-135-3308_3333-371323--,00.html.
• To view the 2016 SARA Title III Guidebook (which includes information on how to submit a Tier II report located in Chapter 3: SARA Title III Sections 311 & 312): www.michigan.gov/deq/0,4561,7-135-3307_29815_4137-91088--,00.html.

Need Help:
Please do not hesitate to contact the SARA Title III Administrators by sending an email to deq-sara@michigan.gov. Be sure to include your phone number.
Winter was fairly gentle on most of the state. And Joint Expo and Operators Day benefited. Record numbers of attendees came out to participate in the Operators Day trainings, the Infrastructure Project Funding Seminar, and of course walk the booths in the exhibit hall, seeing more than 200 exhibiting companies.

Water and wastewater operators heard from experts in electrical maintenance, backflow prevention, Miss Dig, and more. The Infrastructure Project Funding Seminar offered managers and directors an in-depth look at ways to fund infrastructure projects to meet daily challenges and long term goals.

Young people were again invited to participate in the YP/NP Round Table on water industry careers. Hosted by the MI-AWWA Young Professionals and MWEA New Professionals, the Round Table provided a great discovery forum for new and young entrants to the water industry as well as students.

The first day of the Expo closed with what has become the traditional Mixer at a local pub. A special thank you to the exhibitors who participated in and sponsored the Scavenger Hunt and Mixer. See page 56 for the list of sponsoring exhibitors. Thank you also to the energetic YP and NP volunteers who made the Hunt and the Mixer the best one yet.

Various contests were held both Tuesday and Wednesday to keep energy high in the exhibit hall. There were a couple of surprises. See below for details.

Exhibitors: thank you for participating. Keep your eye on the Joint Expo page on the website and your email box for information on booth registration opening for 2017.

Mark Your Calendar for the 2017 JOINT EXPO & OPERATORS DAY - February 7-8, 2017 Lansing Center, Lansing, MI.

**WATER OPERATORS COMPETE FOR BEST TIMES**

The Michigan Section held its annual Tapping and Meter Madness competitions at Joint Expo in February. Both competitions are a race against the clock. A team of three works to tap a simulated water main in the Tapping Contest. Meter Madness is a race to see how fast participants can assemble a meter from a bucket of parts. Troy swept the competitions with a win in Meter Madness and wins by both their women’s and men’s teams at Tapping.

Hydrant Hysteria, a new competition that is still gaining ground within AWWA, also held its state competition at Joint Expo. This competition is a race against the clock to assemble a hydrant. Congratulations to the winners of this year’s contests. The Tapping Teams and the Meter Madness winner will receive travel support to compete in the national competition held at ACE16 in Chicago this June. The Lansing Lethal Ladies will defend their national title against the new Michigan women’s champs Smooth Operators.

Well done teams! Thanks to all who competed!

**YOUNG PROFESSIONALS CREATE ENERGY, FUN AT JOINT EXPO**

The MI-AWWA Young Professionals in collaboration with the MWEA New Professionals hosted two events that were rather well attended and organized at this year’s Joint Expo.

The Student Roundtable was attended by 33 individuals consisting of both professionals and college students who attended Joint Expo on Tuesday February 2nd. Bay College attended as they have for the past several years and asked some hard hitting questions of our panelists and participants.

The event is centered around careers and opportunity within the water industry and the importance of networking and mentoring within the industry.

Careers within the industry are carved out of many different paths and this year’s discussion emphasized the importance of continuously learning about the technical aspects of our
industry but also the soft skills and how that can help you
with your career. Brad Schepler from HRC, Kevin Livingston
from HESCO and Ben Anderson from the Village of Cassop-
olis served as the panelists for this year’s events while Matt
Parks from OHM Advisors facilitated the event. Overall, the
event was a success and efforts to expand participation
from other schools will be a key focus for 2017.

The Scavenger Hunt in the Exhibit Hall took on a new
format and came through with the most participation
we have seen to date. Special thanks to all the sponsors
especially Victaulic who was an Uber Sponsor but also
contributed towards the prizes and swag. In all, over $700
in gift cards were awarded and over 70 participants took
the time to answer clues from the 23 different sponsors.
The event concluded with a mixer, which also was coordi-
nated by the YPs and NPs. Jenna Karazim (Vice Chair of the
YP group) from the City of Ann Arbor was instrumental in
the implementation of this year’s event.

A really big thank you to all who helped. If there are
any questions on how to help with next year or if you are
interested in being a 2017 sponsor in the Scavenger hunt,
please feel free to contact Matt Parks at matt.parks@
ohm-advisors.com

Our concern for the environment

• We use lighter publication stock that consists of recycled paper. This paper has
been certified to meet the environmental and social standards of the Forest
Stewardship Council® (FSC®) and comes from responsibly managed forests, and
verified recycled sources making this a RENEWABLE and SUSTAINABLE resource.
• Our computer-to-plate technology reduces the amount of chemistry required to create
plates for the printing process. The resulting chemistry is neutralized to the extent that
it can be safely discharged to the drain.
• We use vegetable oil-based inks to print the magazine. This means that we are not
using resource-depleting petroleum-based ink products and that the subsequent
recycling of the paper in this magazine is much more environment friendly.
• During the printing process, we use a solvent recycling system that separates
the water from the recovered solvents and leaves only about 5% residue. This results in reduced solvent usage, handling and hazardous hauling.
• We ensure that an efficient recycling program is used for all printing plates
and all waste paper.
• Within the pages of each issue, we actively encourage our readers to
REUSE and RECYCLE.
• In order to reduce our carbon footprint on the planet, we utilize a carbon
offset program in conjunction with any air travel we undertake related to our
publishing responsibilities for the magazine.

So enjoy this magazine...and KEEP THINKING GREEN.

Thank You to Scavenger Hunt and Mixer Sponsors

Uber
Victaulic
Badger Meter
Bay College
ETNA
Liquiforce

Super
Commerce Controls Inc.
Fleis & Vandenberg
Ford Meter Box
Kennedy Industries
OHM Advisors
Peerless-Midwest, Inc.
Perceptive Group

Basic
Dixon Engineering
EJ
Harold Beck & Sons
JETT Pump & Valve
KAR Laboratories
NSF International
SW Controls
United System &
Software/Itron
Utilities Instrumentation
Services

is more than just talk
As we continue to deliver valuable information through
the pages of this magazine, in a printed format that is
appealing, reader-friendly and not lost in the proliferation
of electronic messages that are bombarding our senses,
we are also well aware of the need to be respectful of our
environment. That is why we are committed to publishing
the magazine in the most environmentally-friendly process
possible. Here is what we mean:

• We use lighter publication stock that consists of recycled paper. This paper has
been certified to meet the environmental and social standards of the Forest
Stewardship Council® (FSC®) and comes from responsibly managed forests, and
verified recycled sources making this a RENEWABLE and SUSTAINABLE resource.
• Our computer-to-plate technology reduces the amount of chemistry required to create
plates for the printing process. The resulting chemistry is neutralized to the extent that
it can be safely discharged to the drain.
• We use vegetable oil-based inks to print the magazine. This means that we are not
using resource-depleting petroleum-based ink products and that the subsequent
recycling of the paper in this magazine is much more environment friendly.
• During the printing process, we use a solvent recycling system that separates
the water from the recovered solvents and leaves only about 5% residue. This results in reduced solvent usage, handling and hazardous hauling.
• We ensure that an efficient recycling program is used for all printing plates
and all waste paper.
• Within the pages of each issue, we actively encourage our readers to
REUSE and RECYCLE.
• In order to reduce our carbon footprint on the planet, we utilize a carbon
offset program in conjunction with any air travel we undertake related to our
publishing responsibilities for the magazine.

So enjoy this magazine...and KEEP THINKING GREEN.
OPERATOR’S MERITORIOUS SERVICE AWARD

The Michigan Section, AWWA is soliciting nominations of individuals to be considered for the 2016 Operator’s Meritorious Service Award. This award will be presented at the Michigan Section, AWWA Annual Conference this coming September. The purpose of this award is to provide recognition to a section member 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 operator.
5. Special acts not directly related to water treatment but demonstrate dedication to the public beyond the normal operating responsibilities.
6. Constant and outstanding contribution to operation and/or maintenance of distribution lines, pump stations and reservoirs.

Deadline for submission of nominations is June 30, 2016.
To obtain a copy of the award nomination form, go to www.mi-water.org and look under “Documents Download-Awards.”
Send submissions to: Nathan Vriesman, P.E.
Vriesman & Korhorn Civil Engineers
7885 Byron Center Ave SW Ste A, Byron Center, MI 49315
nate@VKcivil.com

ACE16 BUS TRIP HERE’S YOUR CHANCE – VISIT ACE16 EXPO

The Michigan Section has chartered two buses to allow water operators from across the state the chance to visit the exhibit floor at ACE16 in Chicago. This is a great opportunity for anyone interested in visiting a large exhibit floor, networking with water professionals from around the country, and earning CECs in the process!

This is a whirlwind, one-day trip to keep costs down.
Registration for the Bus Trip includes transportation from your pick up location to McCormick Place in Chicago, snacks on the bus, registration for the ACE16 exhibits and all activities in the exhibit hall, lunch in the exhibit hall, and 0.1 other CECs.

One route will travel along I69/I96 and one route will travel along I94. See the Section website for a map, pick up locations, and times.
Cost of the trip is only $75 for members. See the website for more information.
Thanks to Fer-Pal for supporting this trip and helping us keep the registration fee low.
Space is limited so register soon.

MANISTIQUE VYING FOR BEST TASTING WATER AT ACE 16

The City of Manistique won Best Tasting Water at the 2015 Michigan Section AWWA annual meeting. This win is a culmination of compliance, determination, planning, funding, construction and, of course, luck. The City has in the past struggled with disinfection byproducts from treating an inland river as their source. While Lake Michigan and area groundwater sources are available, deep highly mineralized wells and bedrock near the lakeshore made these options cost prohibitive. To maintain compliance with the disinfection by-product standards, the City rebuilt their filters, made improvements to the coagulant rapid mix, and installed ozone as a pre-oxidant. An ultraviolet contactor was also added for good measure. After 7 million dollars in improvements, the water meets drinking water standards, and tastes really good! Last year’s winner, the City of Chelsea, helped present the traveling trophy.
The City of Manistique is on to Chicago for the National “Best of the Best” contest at the Annual Conference and Exposition June. Wish them best of luck!
ANN ARBOR USED CONTEST, PUBLIC VOTE, TO SELECT ART FOR WATER TOWER
EXCERPTED FROM A CITY OF ANN ARBOR PRESS RELEASE

In January, the City of Ann Arbor announced the winner of its Art in the Sky contest. Bill Burgard’s design depicting birds, fish and wildlife will adorn the Manchester elevated water tank once it’s painted later this year. Burgard is an illustrator, designer and lecturer at the University of Michigan Stamps School of Art and Design and lives near the water tower.

The Art in the Sky contest elicited 598 entries from Ann Arbor residents of all ages. The public cast more than 3,200 votes to choose the winner from the five finalists selected by a panel of judges.

Addition of the artwork and all other improvements are scheduled to be completed by October of this year.

LEAD, COPPER, AND CORROSION CONTROL: MEMBER FORUMS AND TRAININGS

The Flint water crisis has left an indelible mark on the water industry. Water professionals not only need to achieve and maintain their license, but this new scrutiny demands that they go beyond the minimum requirements and seek out professional development that enhances their skills and gives them what’s needed to make sound decisions that protect public health.

The Michigan Section’s leadership created two opportunities for members to enhance their skills and get a leg up on the changes coming.

In March, the Section hosted a Water Summit. The Summit offered a forum for water professionals to discuss the challenges they’re facing in this ever-changing landscape.

On May 6, the Section will host a Water Quality Workshop. This workshop focuses on the Lead and Copper Rule. If you haven’t already, register today.

Coming Up
AWWA will be highlighting sessions at ACE16 that delve into the more technical aspects of corrosion control and managing water quality and the Section’s Annual Conference & Exhibits (MI-ACE 2016) will have sessions dedicated to these topics as well.

MICHIGAN NIGHT AT ACE16
Join your Michigan colleagues at Michigan Night in Chicago on Sunday during ACE16. Attendance is complimentary to members but you are asked to please register so that we can plan accordingly. Visit the calendar on the Section website, to register today.

Come enjoy a taste of Chicago and see who from Michigan makes it to ChiTown.

There is still opportunity to support this fun member networking event. Contact Bonnifer Ballard at 517-292-2912 for more information.

CORRECTION
The winner of the MI-AWWA High School Senior Academic Scholarship is Alicia Cook (Pat Cook). We apologize for the misprint.
The DIMMINUTOR® provides automatic screening and grinding of liquid-borne solids with a straight through open channel design. The unit’s heavy precision construction, dependable operation and simplified maintenance have earned it a solid reputation amongst operators and specifying engineers worldwide. Our customers agree:

“The original unit has never been taken out of service. It works as well 8 years later as the day it was installed. The DIMMINUTOR is a fine, rugged piece of equipment. When you’re in the field, you want something dependable. We’re very satisfied.”

Bradford Lange
Plant Superintendent
Millbury, Massachusetts

Visit our website to view our full line of grinders, screens, septage receiving and washing systems.

Big jobs call for big solutions. AMERICAN spiral-welded steel pipe, made in America in sizes up to 12 feet in diameter and thickness up to one inch, is found in some of the country’s highest-profile water infrastructure projects, delivering millions of gallons of drinking water each day. And AMERICAN SpiralWeld fulfills big expectations, too, by being built strong and built to endure. That’s The Right Way. That’s the AMERICAN way.
SAVE THE DATE
MI-ACE 2016
78th Annual Conference and Exhibits
BOYNE HIGHLANDS › SEPTEMBER 13-16 › HARBOR SPRINGS, MI

TREAT. TRANSPORT. TASTE.

MARK YOUR CALENDAR
to attend this year’s Michigan Section Annual Conference & Exhibits (MI-ACE 2016) on September 13-16, 2016 at Boyne Highlands in Harbor Springs.

• Featured speaker – Dave Dempsey, renowned author on water protection

• More than 30 sessions where you will learn about water quality, asset management, and more

• Hear the latest on the Lead and Copper Rule

• Explore products and services in the exhibit hall

• Network with colleagues from across Michigan

MI-ACE 2016 is the place for water professionals to hear the latest on the challenges you’re facing now and into the future. Make plans to attend. Registration opens May 1st.

CALL FOR ADDITIONAL SPEAKERS MI-ACE 2016
The MI-ACE 2016 Program Committee still has a few areas that we would like to have covered in the program at the Annual Conference. If you are skilled and experienced in one of the areas below, please contact Program Committee Chair Christine Spitzley for more information on possibly presenting at MI-ACE 2016.

Asset Management
Water Quality
Management
<table>
<thead>
<tr>
<th>COMPANY</th>
<th>PAGE</th>
<th>TELEPHONE</th>
<th>WEBSITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECOM</td>
<td>46</td>
<td>248-204-5900</td>
<td><a href="http://www.aecom.com">www.aecom.com</a></td>
</tr>
<tr>
<td>ACIPCO</td>
<td>45</td>
<td>205-325-7701</td>
<td><a href="http://www.american-usa.com">www.american-usa.com</a></td>
</tr>
<tr>
<td>American Spiralweld Pipe</td>
<td>59</td>
<td>866-442-2797</td>
<td><a href="http://www.american-usa.com/aswp">www.american-usa.com/aswp</a></td>
</tr>
<tr>
<td>ARCADIS</td>
<td>46</td>
<td>313-965-8436</td>
<td><a href="http://www.arcadis-us.com">www.arcadis-us.com</a></td>
</tr>
<tr>
<td>Bluewater Engineered Storage Systems</td>
<td>53</td>
<td>248-351-2699</td>
<td><a href="http://www.bluewaterstoragesystems.com">www.bluewaterstoragesystems.com</a></td>
</tr>
<tr>
<td>CDM Smith</td>
<td>61</td>
<td>313-963-1313</td>
<td><a href="http://www.cdmssmith.com">www.cdmssmith.com</a></td>
</tr>
<tr>
<td>Cla-Val</td>
<td>14</td>
<td>800-238-7070</td>
<td><a href="http://www.cla-val.com">www.cla-val.com</a></td>
</tr>
<tr>
<td>Dixon Engineering, Inc.</td>
<td>12</td>
<td>616-374-3221</td>
<td><a href="http://www.dixonengineering.net">www.dixonengineering.net</a></td>
</tr>
<tr>
<td>DN Tanks</td>
<td>45</td>
<td>614-777-9886</td>
<td><a href="http://www.dntanks.com">www.dntanks.com</a></td>
</tr>
<tr>
<td>EJ</td>
<td>15</td>
<td>800-626-4653</td>
<td><a href="http://www.ejco.com">www.ejco.com</a></td>
</tr>
<tr>
<td>Eramosa Engineering</td>
<td>53</td>
<td>519-763-7774</td>
<td><a href="http://www.eramosa.com">www.eramosa.com</a></td>
</tr>
<tr>
<td>Fishbeck, Thompson, Carr &amp; Huber, Inc.</td>
<td>16</td>
<td>800-456-3824</td>
<td><a href="http://www.ftch.com">www.ftch.com</a></td>
</tr>
<tr>
<td>Fluid Process Equipment - SunSource</td>
<td>46</td>
<td>269-345-1923</td>
<td><a href="http://www.fpepumps.com">www.fpepumps.com</a></td>
</tr>
<tr>
<td>Forterra Building Products</td>
<td>4</td>
<td>734-834-0336</td>
<td><a href="http://www.forterrabp.com">www.forterrabp.com</a></td>
</tr>
<tr>
<td>Franklin Miller</td>
<td>59</td>
<td>973-535-9200</td>
<td><a href="http://www.franklinmiller.com">www.franklinmiller.com</a></td>
</tr>
<tr>
<td>Greeley And Hansen LLC</td>
<td>62</td>
<td>313-628-0730</td>
<td><a href="http://www.greeley-hansen.com">www.greeley-hansen.com</a></td>
</tr>
<tr>
<td>HD Supply Waterworks</td>
<td>58</td>
<td>616-222-9500</td>
<td><a href="http://www.hdswaterworks.com">www.hdswaterworks.com</a></td>
</tr>
<tr>
<td>Hubbell, Roth &amp; Clark, Inc.</td>
<td>61</td>
<td>248-454-6300</td>
<td><a href="http://www.hrc-engr.com">www.hrc-engr.com</a></td>
</tr>
<tr>
<td>Hydro International Wastewater</td>
<td>13</td>
<td>866-615-8130</td>
<td><a href="http://www.hydro-international.biz">www.hydro-international.biz</a></td>
</tr>
<tr>
<td>JGM Valve Corporation</td>
<td>2</td>
<td>248-926-6200</td>
<td><a href="http://www.jgmvalse.com">www.jgmvalse.com</a></td>
</tr>
<tr>
<td>KAR Laboratories</td>
<td>51</td>
<td>269-381-9666</td>
<td><a href="http://www.karlabs.com">www.karlabs.com</a></td>
</tr>
<tr>
<td>Kennedy Industries</td>
<td>11</td>
<td>248-684-1200</td>
<td><a href="http://www.kennedyind.com">www.kennedyind.com</a></td>
</tr>
<tr>
<td>Kerr Pump &amp; Supply</td>
<td>46</td>
<td>248-543-3880</td>
<td><a href="http://www.kerrpump.com">www.kerrpump.com</a></td>
</tr>
<tr>
<td>Krausz USA</td>
<td>16</td>
<td>352-817-1295</td>
<td><a href="http://www.krauszusa.com">www.krauszusa.com</a></td>
</tr>
<tr>
<td>Layne</td>
<td>6</td>
<td>517-323-4931</td>
<td><a href="http://www.layne.com">www.layne.com</a></td>
</tr>
<tr>
<td>LiquiForce</td>
<td>64</td>
<td>734-955-2508</td>
<td><a href="http://www.liquiforce.com">www.liquiforce.com</a></td>
</tr>
<tr>
<td>M.E. Simpson Co. Inc.</td>
<td>61</td>
<td>800-255-1521</td>
<td><a href="http://www.mesimpson.com">www.mesimpson.com</a></td>
</tr>
<tr>
<td>Medora Corporation (SolarBee and GridBee brands)</td>
<td>9</td>
<td>866-437-8076</td>
<td><a href="http://www.medoraco.com">www.medoraco.com</a></td>
</tr>
<tr>
<td>Peerless Midwest Inc.</td>
<td>3</td>
<td>616-527-0050</td>
<td><a href="http://www.peerlessmidwest.com">www.peerlessmidwest.com</a></td>
</tr>
<tr>
<td>Pittsburg Tank &amp; Tower Maintenance Co, Inc.</td>
<td>44</td>
<td>270-826-9000</td>
<td><a href="http://www.watertank.com">www.watertank.com</a></td>
</tr>
<tr>
<td>Prein&amp;Newhof</td>
<td>61</td>
<td>616-364-8491</td>
<td><a href="http://www.preinnewhof.com">www.preinnewhof.com</a></td>
</tr>
<tr>
<td>PVST Technologies Inc</td>
<td>49</td>
<td>313-903-3397</td>
<td><a href="http://www.pvsttechnologies.com">www.pvsttechnologies.com</a></td>
</tr>
<tr>
<td>SLC Meter, LLC</td>
<td>10</td>
<td>800-433-4332</td>
<td><a href="http://www.slcmetric.com">www.slcmetric.com</a></td>
</tr>
<tr>
<td>TGO Technologies Inc.</td>
<td>61</td>
<td>800-543-6603</td>
<td><a href="http://www.tgotech.com">www.tgotech.com</a></td>
</tr>
<tr>
<td>UIS Programmable Services</td>
<td>61</td>
<td>734-482-1450</td>
<td><a href="http://www.uiscorp.com">www.uiscorp.com</a></td>
</tr>
<tr>
<td>United Systems</td>
<td>53</td>
<td>800-455-3293</td>
<td><a href="http://www.united-systems.com">www.united-systems.com</a></td>
</tr>
<tr>
<td>Utility Service Group</td>
<td>63</td>
<td>855-526-4413</td>
<td><a href="http://www.utilitiy-service.com">www.utilitiy-service.com</a></td>
</tr>
<tr>
<td>Vesconite Bearings</td>
<td>42</td>
<td>866-635-7596</td>
<td><a href="http://www.vesconite.com">www.vesconite.com</a></td>
</tr>
<tr>
<td>Water Solutions Unlimited, Inc.</td>
<td>7</td>
<td>765-719-2956</td>
<td><a href="http://www.getwsu.com">www.getwsu.com</a></td>
</tr>
<tr>
<td>Waterworks Systems &amp; Equipment, Inc.</td>
<td>7</td>
<td>810-231-1200</td>
<td><a href="http://www.waterworkssystems.com">www.waterworkssystems.com</a></td>
</tr>
<tr>
<td>Williams &amp; Works</td>
<td>61</td>
<td>800-224-1590</td>
<td><a href="http://www.williams-works.com">www.williams-works.com</a></td>
</tr>
</tbody>
</table>

To reach Michigan’s water industry professionals through Water Works News magazine and its targeted readership, please contact me directly:
Al Whalen, Marketing Manager
1-866-985-9782  awhelen@kelman.ca
Utility Service Group, now Suez Water Advanced Solutions, has proudly served the municipal and industrial water industries for over 50 years.

Our fully integrated Asset Maintenance Programs include comprehensive condition assessments, rehabilitation services, and long-term proactive, preventative maintenance.

- 100% transfer of maintenance risk
- Single point of contact
- Maximize asset service life
- Predictable budgeting
- Worry-free maintenance and renovation
- Superior asset knowledge

**TANK SERVICES**
- Maintenance Program
- Tank Cleaning & Rehabilitation
- Concrete Tanks
- Tank Security Services

**WATER QUALITY SERVICES**
- Pipe Cleaning (Ice Pigging)
- Trihalomethane Removal System (TRS)
- Water Mixing
- Filter Maintenance Program
- Filter Rehabilitation & Cleaning

**WATER WELL SERVICES**
- Maintenance Program

**DISTRIBUTION SYSTEM MANAGEMENT SERVICES**
- Distribution System Monitoring
- Leak Detection Services
- Valve & Hydrant
- Asset Mapping (GIS)

**METERING SERVICES**
- Metering Maintenance Program

**COMMUNICATIONS**
- Communications Site Management

**TANK SERVICES**
- Maintenance Program
- Tank Cleaning & Rehabilitation
- Concrete Tanks
- Tank Security Services

**WATER QUALITY SERVICES**
- Pipe Cleaning (Ice Pigging)
- Trihalomethane Removal System (TRS)
- Water Mixing
- Filter Maintenance Program
- Filter Rehabilitation & Cleaning

**WATER WELL SERVICES**
- Maintenance Program

**DISTRIBUTION SYSTEM MANAGEMENT SERVICES**
- Distribution System Monitoring
- Leak Detection Services
- Valve & Hydrant
- Asset Mapping (GIS)

**METERING SERVICES**
- Metering Maintenance Program

**COMMUNICATIONS**
- Communications Site Management

**MICHIGAN UPPER PENINSULA**
Mike Trombly - Gleason, WI 54435

**LOWER MICHIGAN**
Dan Kitchen - Portage, MI 49002

**CONTACT** 855.526.4413
US TODAY help@utilityservice.com

Utility Service Group is now Suez Water Advanced Solutions
The Gravity Program by LiquiForce is a proven and totally trenchless sewer rehabilitation program that cities trust. It provides an as-new sewer system from house to treatment plant with 50-year+ design life and 50% savings*. It’s fast, non-disruptive, environmentally friendly and stops I&I, all without digging.

**CALL US TO JOIN THE GRAVITY TOUR.**

*Compared to conventional digging.