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The Water News Source

Volume 55, No. 3 • Fall 2019

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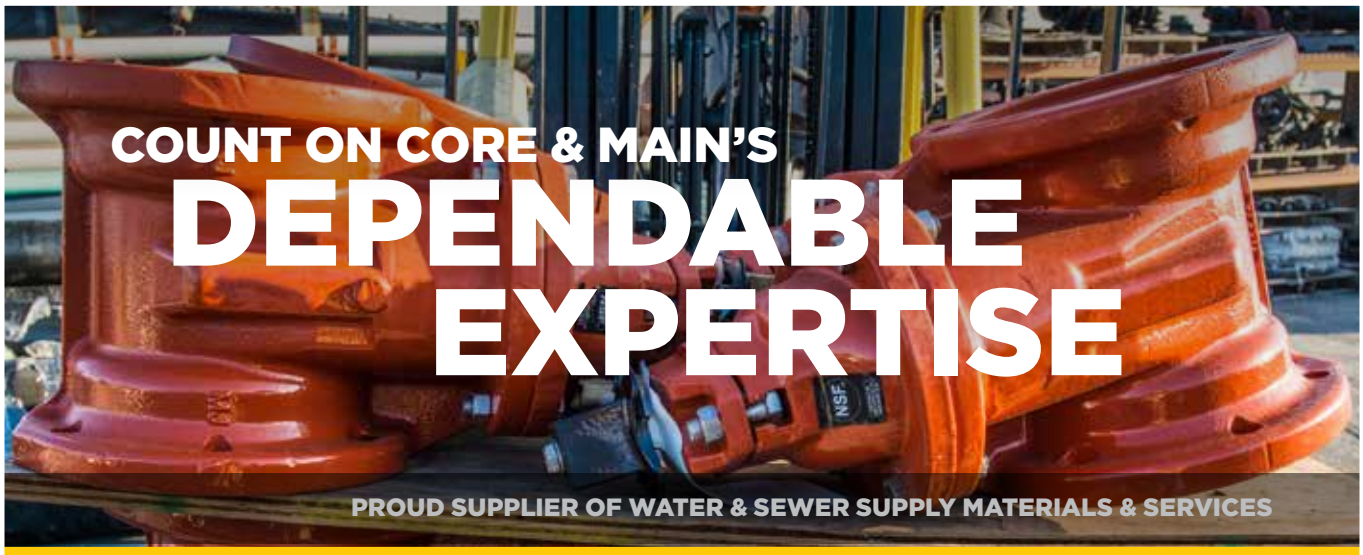
...Info & Registration Form: Pages 10-12

Plastic particles in drinking water, the next legal worry?
...Page 6



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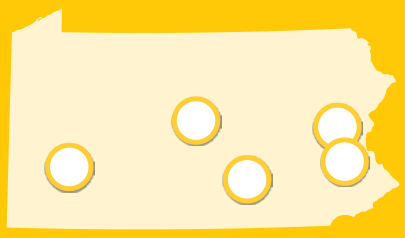

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The Water News Source • Vol. 55 No. 3 • Fall 2019

The Water News Source is published quarterly by the Pennsylvania Section of the American Water Works Association. The purpose is to inform members, local and state officials, and elected representatives about water supply issues in Pennsylvania.

The ideas, opinions, concepts, procedures, etc., expressed in this publication are those of individual authors and not necessarily those of the PA-AWWA Section, its officers, general membership, or the editor. The Section maintains the right to edit all articles for clarity and space. Individuals or organizations are encouraged to submit suggestions, ideas, articles, and items for the calendar of events. Please submit as a Word file and email to *mikesnyder@paawwa.org*.

Deadline to submit articles for the next newsletter is Nov. 30, 2019.

Welcome back to the Fall season at PA-AWWA

Chris Evans
Chair

I hope everyone enjoyed a nice work-life balanced summer and is ready to return to the busy fall season. The PA Section was very active at the ACE Denver conference this summer. It was nice to see so many familiar faces active at the national level.

Since the last newsletter, I am happy to report that I have been attending regular social media conference calls with Eloise Gibby and Kristin Connors of the Young Professionals committee. We have already made some progress with the addition of the LinkedIn Young Professionals page. Please join this LinkedIn page and support the Young Professionals in spreading the Section social media presence.

The Veterans Hiring Initiative has also been keeping me busy with regular conference calls led by Jim DeWolfe. Jim is gaining a lot of momentum with this initiative as we move toward the goal of hosting a Section event focused on recruiting Veterans to the water industry.

While it is easy to use the PA-AWWA Section for your required educational credit hours, the Section also offers many great social or networking opportunities. I would like to thank all the Section members who supported the 4th Annual Sporting Clay Challenge. This year we had a great turnout of 104 shooters.

Twenty-five foursomes and four single shooters took part in the PA Section's 4th Annual Clay Shoot held in mid-September at the Lehigh Valley Sporting Clays facility in Coplay, PA.

The Pennsylvania Department of Environmental Protection recently posted the draft rewrite of Public Water Supply Manual Part II. The revision of this document is incorporating recent Chapter 109 and 10 State's Standards revisions. Members or organizations wishing to provide constructive comments may forward them to Doug Crawshaw at dougc@yorkwater.com prior to November 2019 or wait for the opening of the public comment period.

Don't miss this upcoming educational and networking event:

- **The 4th Annual PA-AWWA/ PMAA/PWEA Utility Management Summit**
  Gettysburg, PA
  October 31 – November 1, 2019

My door is always open to ideas to improve the Section and to volunteers wanting to get involved. Please contact me at c.evans@ketllc.com so we can get you involved!

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Don Hershey
Executive Director

PA-AWWA Proposed By-Laws Change

The PA-AWWA is updating our current bylaws to coincide with recent changes to the AWWA bylaws made in January 2018. In accordance Article XIV and Article VII of the current bylaws, the Section is to provide 6 weeks prior notice to the Section membership about special meetings and proposed changes and amendments to the bylaws. The AWWA Executive committee approved the revised bylaws on June 7, 2019.

The proposed changes will be voted on at the conclusion of the Joint Fall 2019 Conference in Gettysburg, PA on November 1, 2019 at 12:15 pm. All members of the Section in good standing are eligible to vote.

This serves as 6 week notice in which to consider the proposed bylaws prior to the vote. A copy of the current (2008) and revised bylaws (2019) are posted on the PA-AWWA website at www.paawwa.org .

Any questions regarding the proposed bylaws may be sent to Patty Chila at pchila@paawwa.org.

AWWA Member Utility Spotlight is on: Blythe Municipal Authority, Schuylkill County

The Blythe Township Municipal Authority was incorporated on February 9, 1943. Previously the Silver Creek Water Company, the organization encompasses the service area of the former Crystal, Moss Glen, Middleport, Glen Dower, Frailey, Otto and Rock Water Companies.

The Authority's water plants and distribution system are staffed and operated by fully trained and experienced personnel. Five members of our staff hold a current water operator's license and all Authority personnel routinely attend various courses in water treatment and water system operation and maintenance.

Service Areas:

Silver Creek is a 275 million gallon reservoir that provides water to the communities of Silver Creek, New Philadelphia, Cumbola, 5-points and parts of St. Clair and Wadesville. The Filtration and Treatment plant produces on average 230,000 gallons of water per day.

Moss Glen uses a filtered surface water to supply the towns of Brockton, Middleport, Kaska and Tuscarora. An average of 160,000 gallons of water per day is used.

Crystal Reservoir impounds 65 million gallons to supply water to Forestville, Black Heath, Primrose, Schaeffer's Hill, Duncott, Heckschersville, Llewellyn, Phoenix Park, Branchdale and Buck Run. The System produces approximately 375,000 gallons per day.

–From: Blythe Municipal Authority website at: www.blythewater.com

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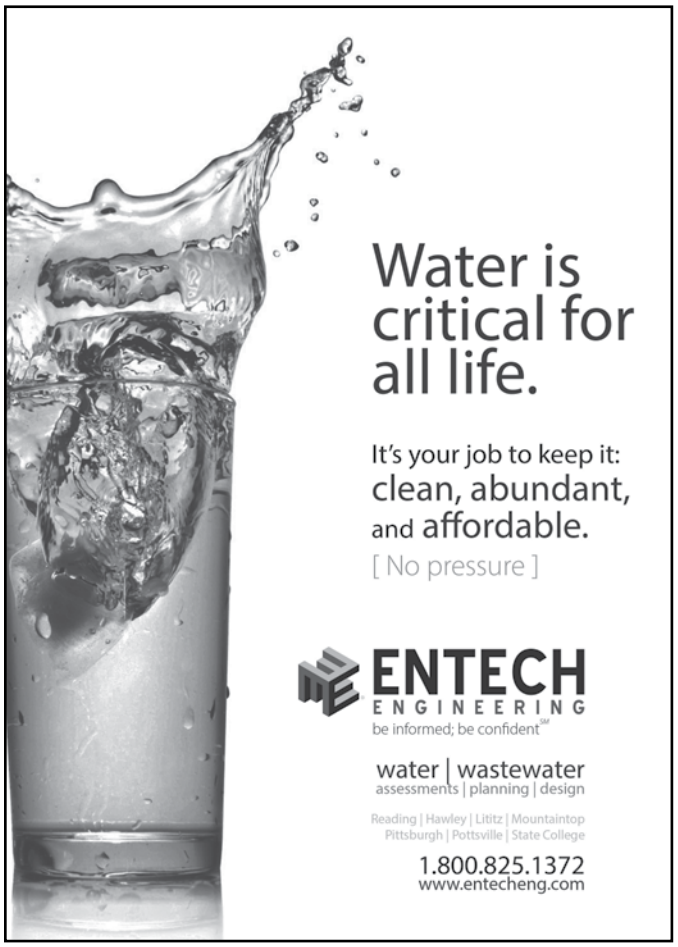

Pennsylvania Water Law

By Michael D. Klein, Esq.

This column will provide overviews of interesting cases and legal issues affecting water suppliers in Pennsylvania.

Plastic particles in drinking water, the next legal worry?

We have seen many articles, over the past several years, about the danger of plastics in water to fish and mammals. That kind of plastic has been in the form of straws, bags and containers, in streams, lakes and oceans. People are generally wise enough not to ingest plastic straws, bags and containers, so the thinking has been that plastic in water cannot hurt us. Recently that assumption has been shaken by a series of articles about the danger of minute particles of plastic being unknowingly ingested by the public in tap and bottled water. This issue has gotten on the radar of plaintiff attorneys, and public water suppliers have cause to worry whether plastic in drinking water will become the next PFAS or lead. For the time being at least, the World Health Organization (WHO), has put the plastic wraps on this, (please excuse the pun). In a press release dated August 22, 2019, the WHO concluded that "Based on the limited information we have, microplastics in drinking water don't appear to pose a health risk at current levels." The WHO based its conclusion on an analysis that "…microplastics larger than 150 micrometres are not likely to be absorbed in the human body and uptake of smaller particles is expected to be limited." But the WHO's verdict on this issue is not final, because it also concluded that "…we need to find out more. We need to stop the rise in plastic pollution worldwide." For now, the WHO recommends that drinking water suppliers and regulators prioritize known health risks "…by removing microbial pathogens and chemicals that are known risks to human health…". (WHO calls for more research into microplastics and a crackdown on plastic pollution – Press Release, Aug. 22, 2019) https://www.who.int/news-room/detail/22-08-2019-who-calls-for-more-research-into-microplastics-and-a-crackdown-on-plastic-pollution

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Learning from the mistakes of others: Public water suppliers can learn a lot from what is happening in Newark, NJ

I have previously reported about the lead in drinking water crisis in Newark, NJ. I am back again on that topic because the situation there has gotten worse as Newark gives Flint, Mich. a run for its money. I want to highlight several of the details, so that you may be able to assimilate that information into your decision-making process when faced with similar crucial events. The lead in drinking water crisis in Newark dates back to around 2010, when high lead levels were detected at city schools. For many years, city officials have told the public that the water is safe to drink. Later in 2017, it was determined that more that 10% of the homes in Newark had nearly twice the 15 ppb action level set by the EPA. Newark Mayor, Ras Baraka, has been roundly criticized for not declaring a state of emergency, and notifying residents immediately to the urgency of the matter. Tens of thousands of water filters have since been distributed to residents. Despite that, in Newark lead levels in drinking water still exceed the 15 ppb action level. Finally, on August 9, 2019, EPA, dropped the hammer on Newark and the state drinking water regulatory agency. On that date, EPA Regional Administrator, Peter Lopez, issued a letter to Mayor Baraka and Catherine McCabe, Commissioner of the New Jersey Department of Environmental Protection that essentially said enough is enough. In that letter, EPA concluded that the water filters were ineffective in reducing lead levels:

> *The data suggest that use of the specific filtration devices distributed in Newark may not be reliably effective, in this particular situation, in reducing lead concentrations to below that standard. This means that we are unable at this time to assure Newark residents that their health is fully protected when drinking tap water filtered through these devices.*

Because some of the lead filters were ineffective, EPA instructed Newark "…to advise residents with known or suspected lead service lines that until further notice they should not rely on the efficacy of the filtration devices that the city previously provided. Residents should be advised, instead, to use bottled water for drinking and cooking, until we can be assured of the reliable efficacy of filtration devices. We believe it is the responsibility of the City of Newark to provide such bottled water as soon as possible."

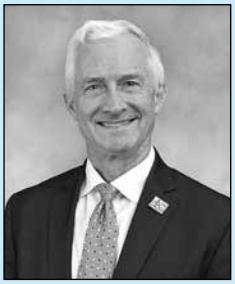
EPA also had some stern words for Commissioner of the New Jersey Department of Environmental Protection. The letter implied that New Jersey was not doing enough in the form of

PA Water Law continued on Page 7

Jeff Hines retiring as York Water Company CEO;

YWC's JT Hand announced as successor in March

The Board of Directors of The York Water Company (NASDAQ:YORW) at its June Board meeting, accepted President Jeffrey R. Hines' letter of retirement and unanimously approved the appointment of Joseph T. (JT) Hand as the company's 22nd President and Chief Executive Officer. The effective date for the retirement and transition to JT Hand will be March 1, 2020.



Jeffrey R. Hines

Joseph T. (JT) Hand

President Hines, 58, who has been President and CEO since 2008, will retire on the 12th anniversary of his appointment as President and his 30th anniversary with the Company. Mr. George Hodges, Chairman of the Board, stated that "Jeff has been an incredible force at York Water over the past 30 years and we will miss his collaborative and humble leadership style. However, he has indicated that he will continue to work tirelessly for our community as he currently serves on over 20 boards, committees, and organizations."

Hand, 56, was selected for the post after a thorough review by the Board of Directors. He has served the past 12 years as Chief Operating Officer of York Water and is currently responsible for all operations, engineering, technology, and customer service functions. Hand has also served as the Chairman of the Pennsylvania Chapter of the National Association of Water Companies. Locally, Hand serves on many boards and charities and has served as Chairman of the following York County organizations: York County United Way, the Children's Home of York, DreamWrights, and the Farm and Natural Lands Trust of York County.

Prior to his service with York Water, Hand retired as a Lieutenant-Colonel after a distinguished 22 year career with the US Army Corps of Engineers, serving in a variety of positions including Deputy Commander of the Baltimore District. Hand's Army service included deployments to Bosnia, Kosovo, Iraq, and Afghanistan where he earned the Bronze Star Medal.

Hand has a Bachelor of Science degree in Civil Engineering from the University of Vermont, is a graduate of the Army's Command and General Staff College, and is currently completing an MBA from York College of Pennsylvania.

In commenting on Hand's appointment, Chairman Hodges stated that "JT has been a leader of York Water's operations and expansion for the past 12 years and has provided a tremendous benefit to the Company and the York community. JT's integrity, competence, and leadership have been instrumental in York Water's growth. JT has been responsible for 20 acquisitions while at the same time insuring our water supply is prepared for the next 200 years of service to our growing community. JT has the perfect credentials and experience to continue to provide leadership, customer service, shareholder value, and growth for our publicly traded and community based water supply."

The York Water Company was founded in 1816 and is the oldest investor owned company in the nation. York Water currently provides water service to over 70,000 water and wastewater customers in 48 communities in south-central Pennsylvania.

PA Water Law *Continued from page 6*

enforcement, "We believe, further, that it is important for the State of New Jersey to use its available enforcement authorities to ensure that Newark is provided with appropriate guidance and direction on how to proceed." Then EPA threatened to intercede in the matter, if Newark and New Jersey did not take appropriate actions:

> *We ask that you notify us by close of business on Monday, August 12 of your decisions with respect to these recommendations and requests. Please be advised that EPA is prepared to take appropriate action under Section 1431(a) of the federal Safe Drinking Water Act to ensure protection of public health, should the state and city not promptly undertake these recommended actions."*

Section 1431 gives the EPA Administrator emergency powers and broad authority to act to protect the health of persons in situations where there may be an imminent and substantial endangerment. The Administrator may take action under Section 1431(a) only if state and local authorities have not acted to protect the health of persons. Actions the Administrator may take under this Section "include, but are not limited to issuing administrative orders to persons subject to the SDWA, including federal agencies, such as orders to clean contaminated sources of drinking water or to provide alternative water supplies."

As for how Newark is doing with respect to compliance with the requirement to provide free bottled water to 15,000 of the city's 95,000 households, the New York Times has summed it up as follows, "Lead Crisis in Newark Grows, as Bottled Water Distribution is Bungled." (NY Times, Aug. 14, 2019, Lead Crisis in Newark Grows, as Bottled Water Distribution Is Bungled) https://www.nytimes.com/2019/08/14/nyregion/newark-water-lead.html). The bungling being referred to involved long lines waiting to get bottled water, only to find out that some of the bottled water had an expired best-by-date. Newark, then decided to order 50,000 new cases of bottled water to distribute. The Natural Resource Defense Council and the Newark Education Workers Caucus have sued Newark Hindsight is 20/20, and state officials, alleging "…they failed to set and implement water-quality and treatment standards, comply with federal requirements for assessing materials within the water system, monitor and sample tap water for lead and notify the public about the results." (Wall Street Journal, Aug. 12, 2019 Newark Distributes Bottled Water After Lead Contamination Found) https://www.wsj.com/articles/newark-distributes-bottled-water-after-lead-contamination-found-11565650213). Hindsight is 20/20, but with knowledge of what went awry in Newark, hopefully you can put this to good use in the future as you face difficult challenges.

Michael D. Klein is a Senior Counsel in the Harrisburg, PA, and Washington D.C. offices of Cozen O'Connor. Michael practices in the areas of utility and environmental law. He can be reached at mklein@cozen.com and 717-703-5903. This column is intended to be a discussion of legal issues in the water industry. It is not intended to be legal advice, or to establish any attorney-client relationships. Before making any legal decisions regarding anything discussed in this column you should always consult with an attorney.

Erin Threet honored as Top YP in engineering magazine

Erin Threet

Pennsylvania Section - American Water Works Association member Erin Threet recently received national recognition in Engineering News-Record magazine. She is featured in the magazine's Top 20 Under 40 list of outstanding young professionals. Erin is an assistant vice president of Herbert, Rowland & Grubic, Inc. (HRG)

Engineering News-Record (ENR) is a weekly magazine with close to 50,000 paid subscribers that covers news in the architecture, engineering and construction industry. In addition to its national publication, ENR also publishes nine regional editions.

Each of these regions selects 20 outstanding professionals based on their education, industry experience, leadership and community service. Erin was featured in the Mid-Atlantic region's list in February.

From this pool of regional winners, ENR selects 20 as the "best of the best" across the nation. Erin received news that she was selected for this prestigious honor in April. In June, she was invited to New York City for an awards luncheon and photo shoot.

"It was a whirlwind day overall," Erin says. "Probably my favorite part was when we were in Grand Central Station. We were set up like a real photography shoot with lighting. People kept stopping and taking our photos like we were celebrities. That was a surreal part of the experience that I wasn't anticipating."

While in New York, the honorees were split into four groups to collaborate and discuss industry issues. Erin was selected for Team Productivity. She and her fellow "think tank" members discussed alternate project delivery methods like design-build, integrated project delivery, advanced work packaging, and workface planning. (You can read more about Team Productivity and their panel discussion in this feature from Engineering News-Record magazine.)

The Top 20 Under 40 honor from ENR is just one of many Erin has received over the course of her career (like the Rising Tide Award she received from PA-AWWA in 2015). Like other influential leaders, Erin believes success is all about the grind:

"A lot of times in this industry we get stuck in the day-to-day of getting projects done and getting the fires put out for clients and that sort of thing. Honestly, through this process, with the application and everything, it made me take a step back and realize that just doing a good job for your clients and doing the best you can for your coworkers yields results. If I were to give other professionals advice, that's what it would be: Just do your best. Admit when you don't know something, and that'll help you to figure it out for the next time. Eventually, you'll get recognized for doing that good work."

You can see more of Erin's thoughts on the ENR honor, the people she got to meet as part of this experience, and the individuals who've helped her get where she is today in a feature on HRG's website at www.hrg-inc.com/ThreetENR

HRG names new associates

Herbert, Rowland & Grubic, Inc. (HRG) has designated six of its employee-owners as associates of the firm: Ben Burns, Jeff Garrigan, Jason Hinz, Bill Kick, Bryan Persing, and Josh Satteson. The Associates Program recognizes individuals who demonstrate a strong commitment to HRG's core values and are viewed as leaders within their practice areas. Associates are nominated by the firm's shareholders and approved by the company's board of directors.

continued on page 22

Ben Burns

Jeff Garrigan

Jason Hinz

William Kick

Bryan Persing

Josh Satteson

Welcome New Members – Fall 2019

- Peter Ahl, Premier Magnesia, LLC
- Joe Ardini, Mount Joy Borough Authority
- Randy Behmke, Borough of Kennett Square
- Joseph Bem, Gallitzin Water Authority
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- Jeffrey Harris, Inframark, LLC
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- Edward Simons
- Rachel Smolinski
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- Michael Stelts
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UTILITY MANAGEMENT SUMMIT • OCT. 31 & NOV. 1 , 2019 • WYNDHAM GETTYSBURG

Utility professionals are responsible for managing water and wastewater systems in today's increasingly challenging envi-ronment. Utility management is a vital component of any progressive utility system.
PWEA, PMAA and PA AWWA have joined together in presenting this informative program. The Utility Management Summit includes presentations on utility assessment, tools and technologies and a variety of case studies.
All sessions and activities are held in Salons D, E, F.

Thursday, October 31, 2019

9:00-10:00 **Registration/Opening Remarks**
Welcome Hour with Exhibitors

10:00-10:30 **Communication**

Communication Strategies and Tools to Help You Build Consensus for Strategic Planning, Asset Management and Funding Initiatives

Kiana Tralongo, Partner, KLDT Consulting, LLC

Nicole Khoury, MSHRM, SPHR, SHRM-SCP, Human Resources Manager, West View Authority

Strategic planning and asset management to repair aging infrastructure and promote long-term sustainability for your utility is valuable, but rate payers, board members, and funding agencies need to be on board to execute those plans. This presentation will help you identify effective messages and the best ways to communicate those messages. Specific examples of the ways authorities have used communication strategies to ensure the success of their planning, asset management and funding initiatives will also be discussed.

10:30-11:00 **Technology**

Demystifying Intelligent Water: Actionable Insights and Strategies for Utility Leaders and Operators

James Cooper, PE, Arcadis

Intelligent water is here. Understand what it is and when to apply advanced technologies such as artificial intelligence (AI) and machine learning. Intelligent water can provide $17.6 billion in savings over the next decade specifically in advanced asset management. Along with research results, attendees will learn strategies and methods utilities can and should take for a successful future.

11:00-11:30 **Technology**

A Penny Saved is a Penny Earned - Savings Realized by Three PA Utilities with Technology (Leak Detection)

John Brutz, LB Water

This presentation will focus on three Pennsylvania Utilities – Monaca, Williamsport and Harrisburg, and how they implemented new technology and the effects this technology had on their bottom line. It will show their water production numbers and costs prior to the implementation of a leak detection technology program. Upon implementation and use for various months and years, we will review and compare numbers of these utilities and the benefits of the leak detection program. You will see what happened financially with infrastructure maintenance and in water conservation.

11:30-12:00 **Technology**

S2GEO, AGOL: A User-Friendly Solution to Infrastructure Asset Management

Howard Hodder, Strategic Geospatial Solutions, LLC

Web-based mobile GIS, once an expensive solution only feasible for larger utilities, has now been packaged in a way that any utility may take advantage. This can be done in a way that allows for immediate return on investment while setting the cornerstone for potential future and continued technology advancements. It provides the building block for additional enterprise level enhancements, expansions and integrations of other solutions once the utility is ready and budget is capable.

12:00-1:00 Lunch with Exhibitors

1:00 - 2:00 **Panel Session**

This panel will include 3 utility managers who will discuss their experiences and lessons learned in developing and implementing asset management programs. The panelists will focus on similarities and differences in managing wastewater, drinking water and stormwater assets, and will identify successes achieved and problems encountered.
Moderator: Mark Pickering, GHD Inc.

- ***Asset Management Considerations for Stormwater Utilities***
  William Gralski, PE, LLC
  This portion of the panel presentation will discuss the topic of asset management as it relates to stormwater utilities. The presentation will discuss the similarities and differences between stormwater asset management and water/wastewater utilities. Asset management for stormwater also has some unique aspects which will be discussed.
- ***How Asset Management Fits in the Modern Authority***
  William Kasper, North Penn Water Authority
  Updating our CMMS/Work Order Management software and procedures means that when we are finished, all field personnel will turn in their pencils and paper work orders. All work will be documented and closed out on a laptop or mobile device. The challenge is that 3 different departments will be using similar, yet different parts of the software...yet it is possible!
- ***Early Successes Give Way to Painful Lessons Learned as a Home-Grown Asset Management Program Evolves***
  Peter Hartmann, Lancaster Area Sewer Authority
  This case study is the Lancaster Area Sewer Authority, a mid-sized utility that developed and implemented an asset management program nearly 10 years ago using a consultant coach to manage nearly 24,000 assets. The initial program was developed with Board input but relied heavily on default data. Problems with data handling were quickly identified and corrected. Ongoing challenges include dealing with the human element and applying information to capital planning and budgeting.

2:00-2:30 **Finance**

Real Life is Too Complicated for Simple Payback – Don't Ever Use it Again

Dennis Clough, Energy Systems Group

This Session will focus on three projects that used alternative financial evaluation methods, (20 year macro budget comparison, annualized cash flow modeling and required asset buy-down models) to support the utility's decision process on capital investments. Each project focused on a combination of required asset renewal, consent order compliance, energy net zero goals, and organics co-digestion.

2:30-3:00 **Break with Exhibitors**

3:00-4:30 **Asset Management Institute**

Making Asset Management Work for Your Organization

Tom Iseley, Buried Asset Management Institute

This session will focus on the fundamentals of water asset management and the keys to making these fundamentals work for your organization. It will also briefly describe how the Buried Asset Management Institute-International (BAMI-I) was formed

in Atlanta's Department of Watershed Management; and how the Certification of Training in Asset Management (CTAM) was an outgrowth from an EPA grant which BAMI-I was awarded in 2006. It will explain the evolution of the CTAM program. It will discuss the fundamentals of water asset management and keys to making these fundamentals work.

4:30 - 5:30 **Reception with Exhibitors**

Friday, November 1, 2019

7:30-8:30 **Breakfast with Exhibitors**

8:30-8:45 **Overview of Benchmarking and Continuous Improvement in Water Utilities**

Michael Kyle, Lancaster Area Sewer Authority

This overview will show that even well-run organizations can become best-in-class utilities of the future by using various management tools like benchmarking and by implementing best management practices to optimize the efficiency and effectiveness of all functional areas of their organizations.

8:45-9:30 **Benchmarking**

Continuously Improving Utility Performance with Lean and Six-Sigma

Michael Roth, Go-Lean-Six Consulting, LLC

This session will explain the eight "DOWNTIME" wastes in the office and the field, including Defects, Overproduction, Waiting, Not utilizing talent, Transportation, Inventory excess, Motion waste, and Excess processing. Case studies will be presented showing how improvements in reorganization can result in real cost savings and improved performance in utilities by reducing non-value added time.

9:30 - 10:00 **Break with Exhibitors**

10:00-10:30 **Benchmarking**

Case Study in Strategic Planning: Using the Effective Utility Management (EUM)

Liesel Gross, Lehigh County Authority

After undergoing massive organizational change in 2013 and significant leadership changeover in 2015, Lehigh County Authority was looking for a way to reorganize itself and move forward with a new vision, mission and organizational structure. Using the Effective Utility Management (EUM) framework, the utility was able to quickly assess what was most important to focus on, develop measures to benchmark progress, and plan multi-year action plans to keep momentum going, even while the utility was continuing to evolve. Using the EUM framework, the utility's goals became easier to understand and communicate with employees, board members and the general public. Now three years into using EUM, and six years after the significant transformation began, the utility is preparing to undertake a full-scale strategic planning process using EUM to build consensus on the goals and strategies required to catapult the organization into the future.

10:30-11:00 **Benchmarking and Continuous Improvement to Lower Paxton Township's Wastewater Collection System**

Bill Weaver, Lower Paxton Township Authority

Lower Paxton Township Authority has successfully implemented an I/I mitigation program demonstrating cost effective removal results. Key fundamentals to the program's success: solid programmatic approach with full buy-in; continued evaluation of rehabilitation cost-effectiveness; utilization of hydraulic modeling to evaluate alternatives; and solid metering and GIS data to support decision confidence. Results have been proven to achieve zero sanitary sewer overflows that meet all DEP Consent Decree Order regulatory requirements for system improvements.

11:00-12:00 **Benchmarking Panel**

This panel will focus on continuous improvement and benchmarking in 3 key areas of running a utility – training/communication, customer service, and organizational development. The panelists will discuss and debate lessons learned and best practices for utilities that manage water and waste water services.

Moderator: Mark Pickering, GHD Inc.

- ***Benchmarking Goals with Staff, Training and Communication***
  Sherri Berilla, Capital Region Water
  In 2014, CRW completed the process of selecting a comprehensive asset management information system software to support our internal tracking. With every opportunity in the journey, it is imperative that the dialogue continue to educate and remind all what it is that the AM program is designed to accomplish with emphasis on TEAM effort.

- ***Continuous Improvement in Customer Service***
  Edward J. Knittel, PA State Association of Boroughs
  Water infrastructure operators are operating in a highly competitive and exacting environment. Every action, every position and every outcome is subject to scrutiny from regulatory agencies, media, consumers and competitors. It is essential that improvements continue to be made, shortcomings addressed, and success rewarded.

- ***Organizational Development***
  Rick Brocius, Bradford Sewer Authority
  Past practices and old habits should not be barriers to improving the performance of your Authority and operations. Despite an inherent resistance to change, improvements in organizational development are achievable. In this session several examples of improvement opportunities will be shared to aid managers in modernizing your Authority operations. A continuous improvement approach is essential in positioning your Authority for future

Attendee Registration and Sponsors/ Exhibitors Registration forms on page 12

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youtube: www.youtube.com/user/FoxTapping

ATTENDEE REGISTRATION: Utility Management Summit

Thursday, Oct. 31 & Friday, Nov. 1, 2019 • Wyndham Gettysburg • Gettysburg, PA

CREDITS: Up to 9.5 PDHs are available for P.E.'s attending the full conference.
Up to 3 PA DEP Contact Hrs. for Water and Wastewater Operators for full conference.

Rooms have been reserved at
Wyndham Gettysburg
95 Presidential Circle
Gettysburg, PA 17325
wyndhamhotels.com
Room Rate $136
Reference reservation
PMAA Fall Joint Summit

Name: _____

Authority/Firm: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Registration fee per person: ❒ Members – **$225** ❒ Non-Members – **$250** **TOTAL $**_____

REGISTER ONLINE: Through PA-AWWA's website at ***www.paawwa.org***, click the link on the front page **–or–**

MAIL THIS FORM TO: PA-AWWA, 1309 Bridge Street, New Cumberland, PA 17070;

OR EMAIL TO: Patricia Chila at ***pchila@paawwa.org***; **or fax to:** (717) 774-0288.

Cancellation Policy All Cancellations must be submitted to the office in writing one week prior to the meeting date. Due to reservation guarantees, unpaid no-shows will be charged. NO REFUNDS will be made after the cancellation deadline.

METHOD OF PAYMENT (due at time of registration)

❒ Make check payable to PA-AWWA

❒ Card # _____ Exp._____ Sec. Code: _____

Name (as it appears on card): _____

Signature: _____

Billing Address *(if different than above)*: _____

_____

SPONSORS & EXHIBITORS REGISTRATION: Utility Management Summit

SPONSOR! Choose your sponsorship(s) and receive recognition: a link to your company on PMAA, PA AWWA and PWEA websites; your company contact information included in every registration packet; your company logo featured on PowerPoint presentation; high visibility signage at the event featuring your company; and recognition from the podium.

Rooms have been reserved at
Wyndham Gettysburg
(717) 339-0020
wyndhamhotels.com
Room Rate $136
Reference reservation
PMAA Fall Joint Summit

Thursday: ❒ Lunch - $300 ❒ Break - $200 ❒ Reception - $250

Friday: ❒ Breakfast - $300 ❒ Break - $200

EXHIBIT! As an exhibitor, you will receive: 1 complimentary attendee registration; 6-foot table for a display; a link to your company on PMAA, PA AWWA and PWEA websites; your company contact information included in every registration packet; high visibility signage at the event featuring your company and recognition from the podium.

EXHIBIT FEE* ❒ Members - $400 ❒ Non-Members - $450

**Includes 1 registration; additional booth representatives must register separately.*

Exhibit Hours **Thursday:** 9:00–10:00 am; 12:00–1:00 pm; 2:30–3:00 pm
Friday: 7:30–8:30 am; 9:30–10:00 am

Company Name: _____

Contact: _____ E-mail: _____

Address: _____

City, State, Zip: _____ Phone: _____

TOTAL DUE:
$_____

REGISTER ONLINE: Through PA-AWWA's website at ***www.paawwa.org***, click the link on the front page **–or–**

MAIL THIS FORM TO: PA-AWWA, 1309 Bridge Street, New Cumberland, PA 17070;

OR EMAIL TO: Patricia Chila at ***pchila@paawwa.org***; **or fax to:** (717) 774-0288.

Cancellation Policy All Cancellations must be submitted to the office in writing one week prior to the meeting date. Due to reservation guarantees, unpaid no-shows will be charged. NO REFUNDS will be made after the cancellation deadline.

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❒ Make check payable to PA-AWWA

❒ Card # _____ Exp._____ Sec. Code: _____

Name (as it appears on card): _____

Signature: _____

Billing Address *(if different than above)*: _____

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Shenandoah Borough Municipal Authority receives PfSW Directors Award

Partnership for Safe Water Rep, Tom Detweiler, recently presented Shenandoah Borough Municipal Authority with their certificate recognizing their 15 continuous years of voluntary compliance with the Treatment Program as a Phase III Directors Award Utility.

Shown are (left to right): Bill Grutza (Operator), Tony Testen (Operator), Tom Detweiler (PfSW Rep), Dan Salvadore (Chief Plant Operator) and Jen Hepler (Office Supervisor).

The Partnership welcomes Meadville Area Water Authority

Shown are (left to right): Zach Burlingame, Jesse Propheter, Robert Harrington (Manager) and Howard Tressler

The Partnership for Safe Water would like to welcome their newest member, Meadville Area Water Authority. Meadville Area Water Authority is a ground water system that serves approximately 17,339 customers in Crawford County, PA. Meadville has 7 wells with a design capacity of 6.2 MGD and averages 1.8 MGD. They treat the water with polyphosphate, chlorine and fluoride. Their distribution system has 4 tanks and a reservior in addition to the clearwell at the plant. They also have two pump stations to assist the high service pumps at the plant. They service approximately 85 miles of pipe throughout their system.

ATTENTION

Important notices for utilities participating in the Partnership for Safe Water programs

To remain in "good standing" in the Treatment and Distribution programs, partnered utilities must send in an annual report covering data from June 1 through May 31st of each year and also submit payment of their annual dues. Currently, annual reports are due for the period of June 1, 2018 to May 31, 2019. Most, if not all, invoices for the 2019 calendar year have been sent to the contact person listed for the utility.

Utilities participating in the PA Area Wide Optimization Program (AWOP) must also submit their annual Partnership reports following AWWA guidelines posted on the Partnership for Safe Water website. Submitting your monthly turbidity data through WEBOAS does NOT satisfy the requirements of the Partnership program for annual reporting.

Please contact your local Partnership for Safe Water Representative or call Nancy Dinger at the PA-AWWA Section office at 717.774.8870 if you have any questions on the programs.

SAMUEL S. BAXTER AWARD

PA-AWWA is seeking nominations for the Samuel S. Baxter Award in recognition of outstanding personal service in the water supply field and in commemoration of leadership in the development of safe public water system facilities, the advancement of improved water supply practices and the promotion of a water works industry of high esteem and service to AWWA.

Any PA Section member may nominate another member by submitting the full name, address and biographical information of the nominee to PA-AWWA Vice-Chair Jim DeWolfe at ***jdewolfe@hazenandsawyer.com.***

Nominations must be submitted no later than February 14, 2020.

VICE CHAIR

The Pennsylvania Section AWWA Section Officers Nominating Committee is seeking the names of qualified and interested candidates to fill the position of Vice-Chair for the 2020-2021 term.

The candidate shall have served or currently be serving as a District Trustee, District Chair, Council Chair or Committee Chair. The committee will choose one or more from among the submitted candidates to stand for election at the 2020 annual business meeting luncheon on Monday, May 4, 2020 as part of the joint conference at the Penn Stater Conference Center.

The responsibilities of the position include:

- Attend all Board meetings as a member of the Section Board of Directors.
- In the absence of the Chair-Elect, temporarily fulfill the duties of Chair-Elect.
- Serve on the Annual Conference Committee.
- Serve on the Director's Nominating Committee.

Upon completion of the term as Vice-Chair, it is typical to advance through the remaining positions of Chair-Elect, Chair and Past Chair. Nominees should possess the commitment of their employer to undertake these responsibilities.

Based on the traditional convention of rotating officers among the Districts, candidates from the Northeast and Southeast Districts are preferred.

Please forward names of qualified candidates by February 14, 2020 to PA-AWWA Past Chair Peter Lusardi at ***peter.lusardi@ghd.com***

OPERATOR'S MERITORIOUS SERVICE AWARD

PA-AWWA is seeking nominations for the Operator's Meritorious Service Award in recognition of special performance in one or more of the following:

1. Continuous compliance with all public health standards in treated drinking 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 for more efficient and/or effective treatment.
4. Special efforts in the training of treatment plant operators.
5. Special acts not directly related to water treatment, but which demonstrates dedication to the public beyond the normal operating responsibilities.
6. Consistent and outstanding contributions to operation and/or maintenance of distribution lines, pump stations and storage facilities.

Any PA Section member may nominate another member by submitting the full name, address and biographical information of the nominee to PA-AWWA Vice-Chair Jim DeWolfe at ***jdewolfe@hazenandsawyer.com .***

Nominations must be submitted no later than February 14, 2020. A nomination form can be obtained on the PA-AWWA website at www.paawwa.org.

DAVID A. LONG SCHOLARSHIP AWARD

The Pennsylvania Section of the AWWA encourages study in fields relating to the water supply industry and in May 2020 is offering $2,000 in scholarship funds to eligible students. Students are eligible to apply if:

- They have completed one semester of their junior year of college or they are a college senior or graduate level student.
- They are pursuing or planning to pursue a degree in engineering, biology, chemistry, business administration or other field which may lead to a career in the water supply industry, and
- They are attending a Pennsylvania college or maintain a permanent residence in Pennsylvania.

Please help the Scholarship Committee choose the most worthy students by requesting an Application Packet and encouraging interested students to apply. **Deadline for nominations is March 15, 2020.**

Additional information can be obtained by contacting Nancy Dinger, PA Section AWWA, PO Box D, New Cumberland, PA 17070; phone (717) 774-8870; fax (717) 774-0288; or email at *nancydinger@paawwa.org*.

George Warren Fuller Award — Nominee Form

George Warren Fuller Award qualifications

Purpose of this Award: George Warren Fuller Awards are presented annually by the American Water Works Association to the sections' respective selected members for their distinguished service to the water supply field in commemoration of the sound engineering skill…the brilliant diplomatic talent… and the constructive leadership which characterized the life of George Warren Fuller.

THE AWARD: A George Warren Fuller Award Plaque and pin.

FREQUENCY OF THE AWARD: Annually

ELIGIBILITY FOR THE AWARD: To qualify for the award the person must be an Individual Member or a duly appointed representative of an organization member of the American Water Works Association. In the case of a posthumous award, the recipient must have been an AWWA member at the time of his/her death. Each section may make annual Fuller Award presentations equal to its number of Directors on the Association Board of Directors.

ENTRY REQUIREMENTS: Submission of a completed form by any Section member to PA Section Past Chair Peter Lusardi at ***peter.lusardi@ghd.com***

Nominee's Name: _____

Address: _____

_____

_____

"Citation" or Recommendation (40 words or less)

_____

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Biographical Info: _____

_____

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Additional Supporting Data: _____

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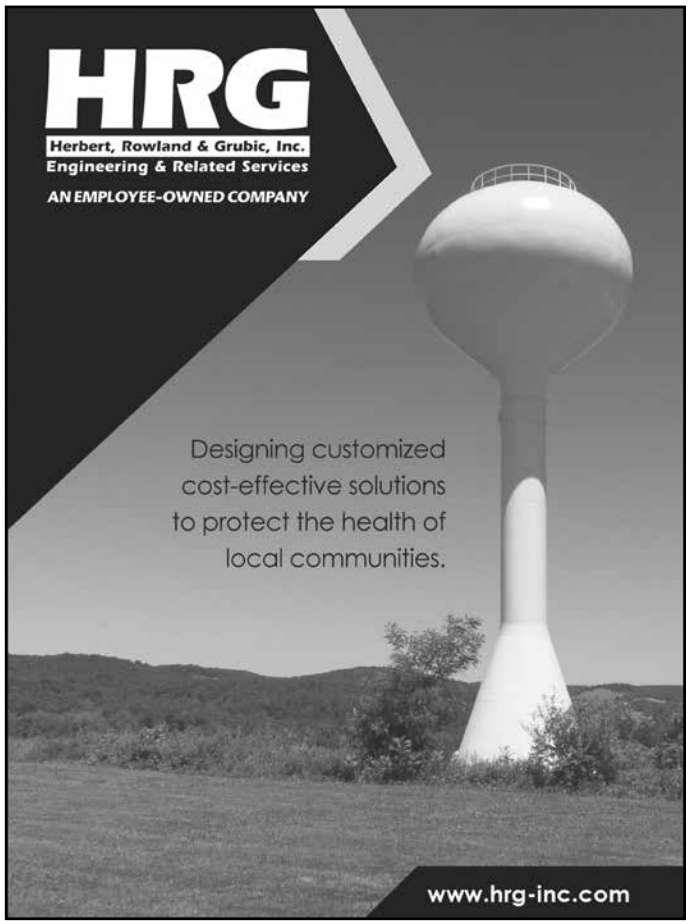
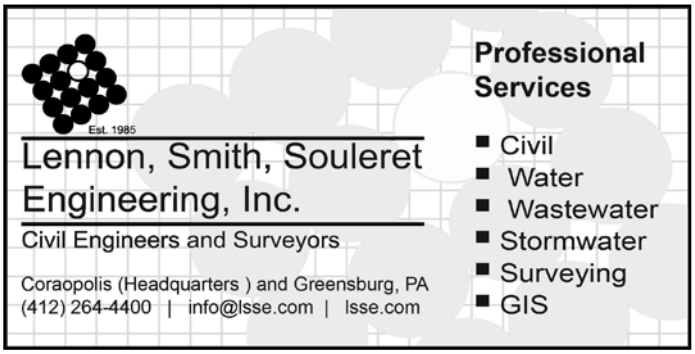
Please send this form to Peter Lusardi at *peter.lusardi@ghd.com* by February 14, 2020.

NOMINATION PROCEDURE: Any section member may nominate an individual by submitting the completed entry form. A "citation" or statement of the basis upon which the recommendation is made must be included. Citations should in general contain 40 words or less and be appropriate for introduction of the awardee at the section award ceremony and the Fuller Society Breakfast held during the AWWA annual conference. Editorial adjustments in citations may be made as deemed necessary.

NOMINATION AND SUBMISSION DEADLINE: Nominations shall be submitted to the PA Section by February 14, 2020.





Abstract submittals will only be accepted if submitted using the WORD document;
PDF formats will NOT be accepted so a submitter will be asked to redo their submission in WORD.
SUBMISSION DEADLINE: Friday, October 28, 2019

Instructions for Submitting an Abstract or Presentation

2020 Joint Technical Conference & Exhibition • Keystone Water Conference – H2O20
May 3-6, 2020 ~ Penn Stater Conference Center ~ State College, PA

The Pennsylvania Water Environment Association (PWEA) and the Pennsylvania American Water Works Association (PA AWWA) have issued a Call for Abstracts for its 2020 Joint Technical Conference and Exhibition – Keystone Water Conference, H2O20. Abstracts are being solicited on cutting-edge and hot topics for drinking water, wastewater and stormwater in the following categories:

Biosolids
- Innovative usage
- WWTP Case Studies
- Process Break-through
- Dewatering
- Disposal

Wastewater Collection Systems
- Inflow & infiltration
- Private property issues
- Pump station topics
- Force main topics
- Measurement – tv – laser – sonar
- Pipe or lateral rehab
- Other relevant issues

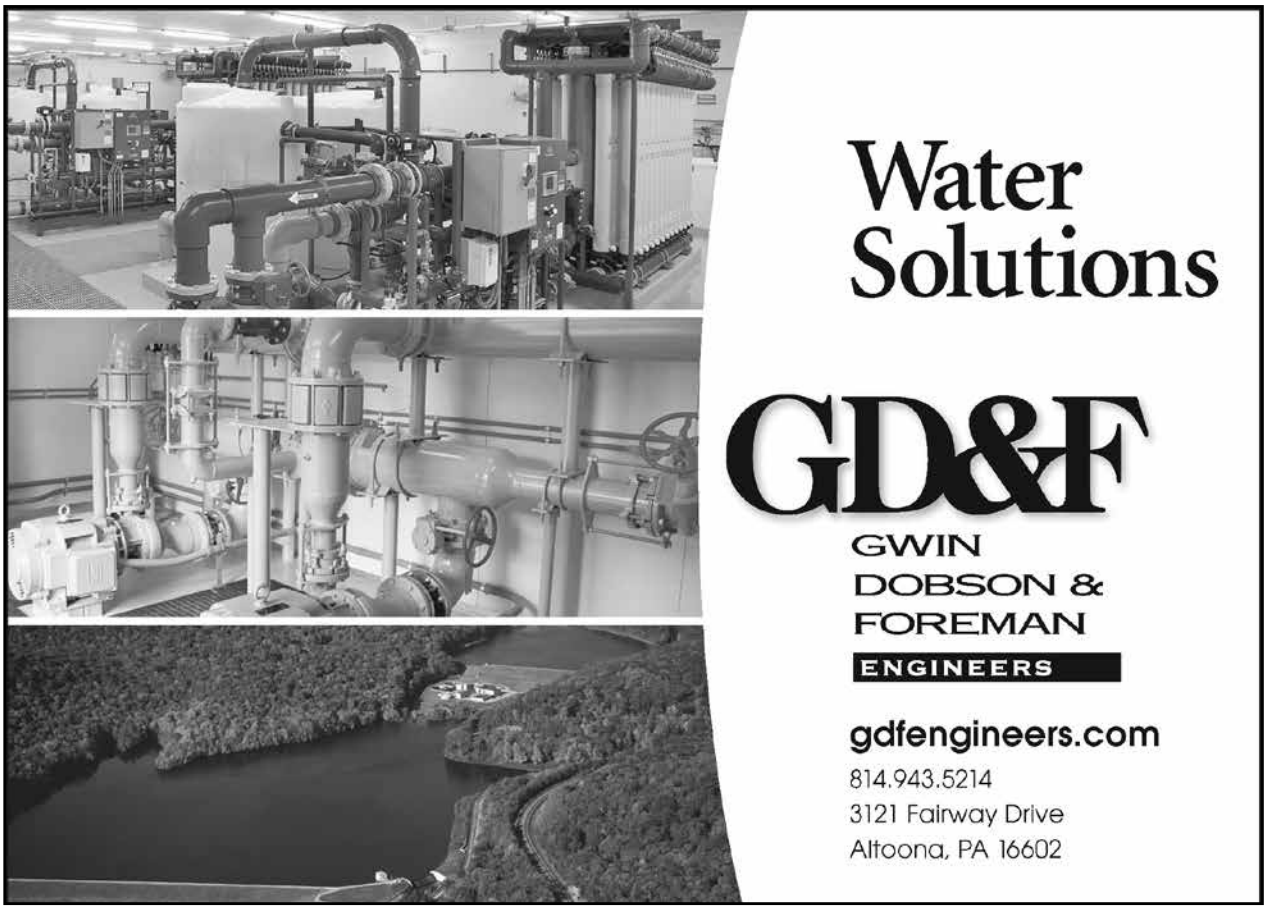
Water Distribution Systems
- Lead and Corrosion
- Replacement Program
- Maintenance and Repair
- Pressure Management
- Booster Pump Station Topics
- Flushing Programs
- Non-Revenue Water
- Meter Replacement Programs
- Storage Tank Topics

Drinking Water and/or Wastewater Topics
- Effective Customer Service
- Using Technology to Enhance Productivity
- Working effectively with neighboring utilities and municipalities
- Innovations in treatment technology and/or chemicals
- Water or wastewater system modeling – benefits and applications
- Leak detection case studies
- Asset management
- Use of the EPA Integrated Planning concept for planning expenditures
- GIS System Integration
- SCADA Systems

Engineering
- New techniques and equipment for underground utility verification/location
- Improvements related to drinking water safety
- Mitigation of disinfection byproducts

Construction
- Alternative Project Delivery methods
- Use of Design-Build for project delivery
- New/innovative construction techniques

Government/Regulatory Affairs
- Complying with regulatory requirements
- Case studies about regulatory agency and regulated entity cooperation
- Needed regulatory program changes
- Impact of legislation and/or regulations on facility operations and budgets



Industrial Waste Pretreatment
- Case Studies
- Innovative Design
- Municipal Industrial Pretreatment Program Tasks
- Emerging Contaminants
- PFOS/PFAS
- Water Source Protection

Laboratory Practices
- Catalysts and Reagents
- Ethics
- Equipment
- Innovative Techniques & Methods
- Data Management

Professional Water & Wastewater Operations
- Disinfection
- Job Description
- Case Studies
- Flood Remediation
- Meeting Permit Limits

Safety
- Case Studies
- OSHA Updates and Practices
- Employee Safety – office, plant and field

Stormwater
- Regional approach to stormwater management
- Integrated water resource planning
- Ramping up a stormwater authority
- Water quality at the watershed scale
- Hydrologic modeling
- Stormwater BMPs – Case studies of funding, performance, and maintenance

Utility Management
Case Studies of Utilities, showing planning and implementation of Utility Management that achieved one or more of the following:
- Leadership Development and Organic Growth for Sustainable Management
- Prolonging asset life and improving decisions about asset rehabilitation, repair, and replacement
- Community Outreach and Meeting consumer demands with a focus on system sustainability
- Setting rates based on sound operational and financial planning
- Budgeting focused on critical activities for sustained performance
- Inter-Agency cooperation: Meeting service expectations and regulatory requirements
- Levels of Service: Improving responses to emergencies and the security and safety of assets
- Business Case Evaluations/Capital Program Optimization: Reducing overall costs for both operations and capital expenditures
- GIS System Integration
- SCADA Systems

Water Sustainability and Reuse
- Permit limit case studies
- Nutrient treatment & recovery

ABSTRACT SUBMITTAL FORM

2020 Joint Technical Conference & Exhibition • Keystone Water Conference – H2O20
May 3-6, 2020 ~ Penn Stater Conference Center ~ State College, PA

SUBMISSION DEADLINE: Friday, October 28, 2019

Save completed, unprotected form in WORD to your computer and email it to abstracts@pwea.org.

1. Title of Abstract Submission: ❑ Single Presentation (~30 minutes) ❑ Full or Half Day Session
   ❑ Drinking Water related ❑ Wastewater related ❑ Stormwater related

2. Technical Session Title: _____

3. 1st Choice Technical Category: _____
   Use only the Technical Categories listed on the Instructions for Submitting Abstracts documents

   2nd Choice Technical Category: _____
   Use only the Technical Categories listed on the Instructions for Submitting Abstracts documents

4. Primary Presenter: _____
   All conference-related correspondence will be directed to this individual

   Name: _____ Organization: _____

   Address: _____ City/State/Zip: _____

   Phone: _____ Email: _____

5. Will this or a similar paper or session be published or presented before May 3, 2020?
   ❑ No ❑ Yes If yes, where: _____

6. Completion date of this work/project/program: _____

7. Describe your proposed technical presentation – Limit text to 50 words or less.
   Should your topic be selected for the Keystone Water Conference technical program, the description you provide (limited to 50 words) will be published in the Registration Brochure and Onsite Program.

_____

_____

_____

Lots of AWWA members from the PA and Chesapeake Sections turned out for the joint reception at ACE19.

AWWA ACE19 • Denver, CO
PA-AWWA and Chesapeake AWWA
Joint Reception at Hard Rock Café • June 10, 2019

We Thank Our Joint Reception Sponsors

PLATINUM
- Chester Water Authority
- Hazen And Sawyer

GOLD
- Aqua Pennsylvania, Inc.
- Erie Water Works
- Harold Beck & Sons, Inc.
- Municipal Authority Of Westmoreland County
- Stone Hill Contracting Co., Inc.

SILVER
- Dixon Engineering, Inc.
- Herbert, Rowland & Grubic, Inc.
- Kunkel Water Efficiency Consulting
- Northampton Borough Municipal Authority
- Pyrz Water Supply Co., Inc.
- Schuylkill County Municipal Authority
- Washington Suburban Sanitary Commission (WSSC)

LCA's Hydrant Hooligans competed at ACE19 in Denver CO this past June. Shown are (left to right) PA Section Chair Chris Evans, LCA's Hydrant Hooligans John Maco III, Shaun Lee and Steve Southam, PA Section Executive Director Don Hershey and LCA's CEO Liesel Gross.

LCA's Hydrant Hooligans finished in the Top 15 at AWWA ACE19!

The guys had a blast out in Denver. As always the competition is a high energy experience full of great people and organizations. We also all agreed, Denver's tap water is pretty darn good tasting!

(No wonder why Coor's Light tastes so good.)

We greatly appreciated PA-AWWA and all of the sponsors who made it possible, a special thank you to them!

The team finished in the top 15 with an ending time of 1.36.48 Seconds

– Jason Gruber, Manager Distribution & Collections
Lehigh County Authority

Hydrant Hysteria AWWA ACE19 sponsors:

PLATINUM:
PA-AWWA
Borton Lawson
Core & Main
Ferguson Waterworks
Ford Meter Box Co., Inc.
Mueller Co.

GOLD:
Gannett Fleming, Inc.

SILVER:
Clow Valve Co.
LB Water
U.S. Pipe

Big thanks to Aqua Pennsylvania and Lehigh County Authority for committing the time and effort to produce another exciting PA AWWA Hydrant Hysteria event! In the 3rd annual HH competition, LCA repeated as state champs with an impressive time of 1:24:17. Congratulations to Shaun Lee, Steven Southam Jr. and their coach, John Maco!

Special thanks to:
Tim Trout, Ferguson Waterworks

YPs tour Landis Sewerage Authority *By Eloise Gibby*

Dennis Palmer, Executive Director of the Landis Sewerage Authority, hosted a tour for seven young professionals on Friday August 2nd, 2019. The tour began with an introduction to the plant process and infiltration basin discharge design.

The group toured the plant process equipment as well as the laboratory.

The tour continued as YPs hopped on to a tractor-towed hayride. The group saw the forestry projects that Landis maintains on plant property and learned about controlled-burns. The hayride dropped the tour off back at the plant and the group boarded a school bus.

The school bus took the YPs to the farm where Landis grows grains that become feed for livestock.

At the end of the tour, Palmer answered any questions from the YPs. After the tour, YPs met up at Parvin State Park for a campout.

Drinking Water Night on the Delaware *By Caitlin Cavanagh*

The Philadelphia Water Department hosted members of PA-AWWA's Young Professionals at the Samuel S. Baxter Water Treatment Plant on July 17, 2019.

Eighteen water industry professionals attended a presentation and tour of Baxter (the largest drinking water facility for the city of Philadelphia). Attendees learned about the plant's history and plans for future improvements to Baxter and PWD's other two drinking water treatment plants – Belmont and Queen Lane.

PWD staff then led a tour that showcased the plant's raw water detention basin on the Delaware River, flocculation and sedimentation tanks, and a backwash of the filtration media. YPs were able to ask additional questions about the plant to chemists, engineers, operators, and the plant superintendent while on the tour. After the tour, the PA-AWWA YP Committee hosted attendees at nearby Maggie's Waterfront Café for casual food and drinks.

Capital Region Water installs emergency backup generator

CAPITAL REGION | WATER.

In June, Capital Region Water completed installation of a 750-kilowatt generator system to supply emergency power for Capital Region Water's drinking water treatment facility and its Water Services Center. Combined with existing storage capacity, the generator will provide Capital Region Water customers access to safe drinking water in the absence of electricity supplied through the grid during emergencies and natural disasters.

Capital Region Water serves the State Capitol and a population of about 60,000 in the City of Harrisburg, portions of Susquehanna and Lower Paxton Townships, and a portion of Penbrook Borough.

The project was included in Dauphin County's National Disaster Resiliency Application for Department of Housing and Urban Development funding. Capital Region Water later received a $812,000 grant through Dauphin County's Community Development Block Grant (CDBG) Disaster Recovery Program.

Several community partners joined Capital Region Water managers for a ribbon cutting ceremony in June for CRW's new emergency generator at the utility's Water Services Center.

Several partners joined Capital Region Water for a ribbon cutting ceremony at the Water Services Center in June. Speakers included:

- Mike Pries, *Vice Chairman, Dauphin County Commissioner*
- Eric Papenfuse, *Mayor, City of Harrisburg*
- Marc Kurowski, *Board Chairman, Capital Region Water*
- Charlotte Katzenmoyer, *CEO, Capital Region Water*

"This project illustrates Capital Region Water's commitment to infrastructure resiliency and reduced costs for ratepayers through community partnerships," said Capital Region Water's Board Chairperson, Marc Kurowski. "We wish to thank the Dauphin County Commissioners and the Dauphin County Department of Community and Economic Development for the administration of funds critical to providing safe drinking water during emergencies with extended power outages."

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AWWA revising the Cybersecurity Guidance Tool

In June, the PA Section conducted a workshop entitled "Cybersecurity in the Water Sector," in Cranberry Township which taught participants how to use the AWWA Cybersecurity Guidance Tool." EMA's Bob Daily and Gerald DiNoia served as instructors.

AWWA is currently revising the Cybersecurity Guidance Tool so that it more closely aligns with America's Water Infrastructure Act of 2018. Visit www.awwa.org in coming weeks for the revised version of the Guidance Tool.

The interactive course included "report-out" presentations by the participants.

EMA's Bob Daly served as an instructor for the Cybersecurity in the Water Sector course, which PA-AWWA presented at 3 locations throughout PA.

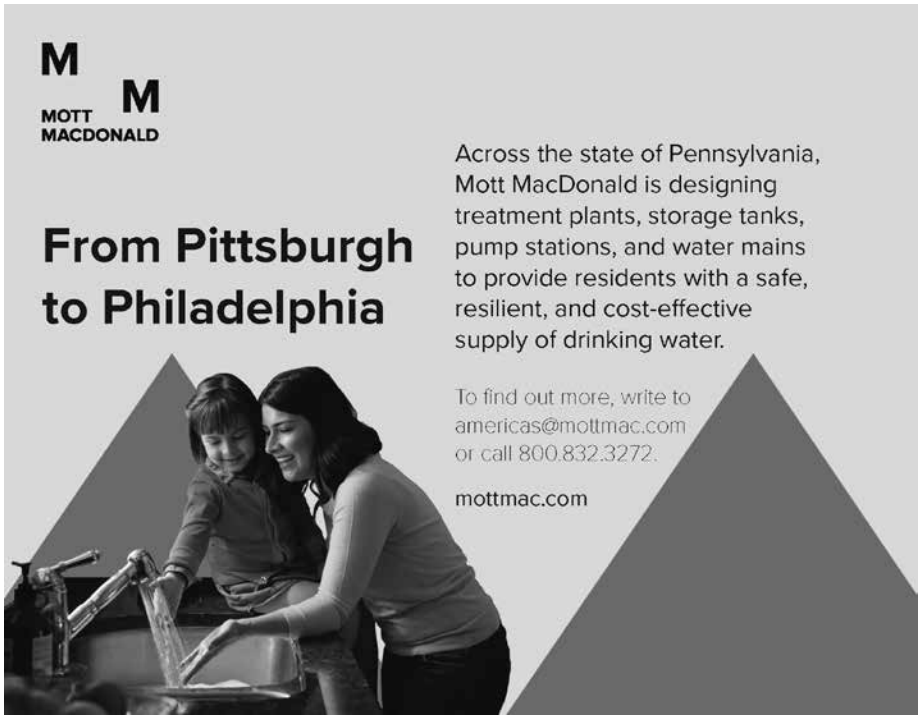
PA student wins Goulds Water Technology scholarship

Goulds Water Technology, a Xylem brand, awarded a total of $24,000 to 16 deserving high school students in the United States and Canada through its Goulds Professional Dealer Association (GPDA) scholarship. Each scholar receives $1,500 based on academic achievement, community service and leadership.

"These students represent the future of our industry. Goulds Water Technology values the opportunity to support them as they pursue higher education and build their careers through the GPDA scholarship," said Susan O'Grady, Xylem Director of Marketing, Residential and Agriculture.

GPDA scholarship recipients are family members of GPDA members. GPDA is a network of independent water system professionals, established in 1969, and is the industry's oldest and largest dealers association. Since the scholarship's inception, the GPDA has awarded over $300,000 to 272 recipients.

Hallie Keiser of Lewisburg, Pennsylvania was selected as a GPDA scholarship winner.



HRG names new associates continued from page 8

Ben Burns is a team leader at HRG. He joined the firm in 2007 and has more than 12 years of experience serving water and wastewater utilities. He has a master's degree in environmental pollution control from The Pennsylvania State University and a bachelor's degree in biology from Gettysburg College. He is a licensed professional engineer.

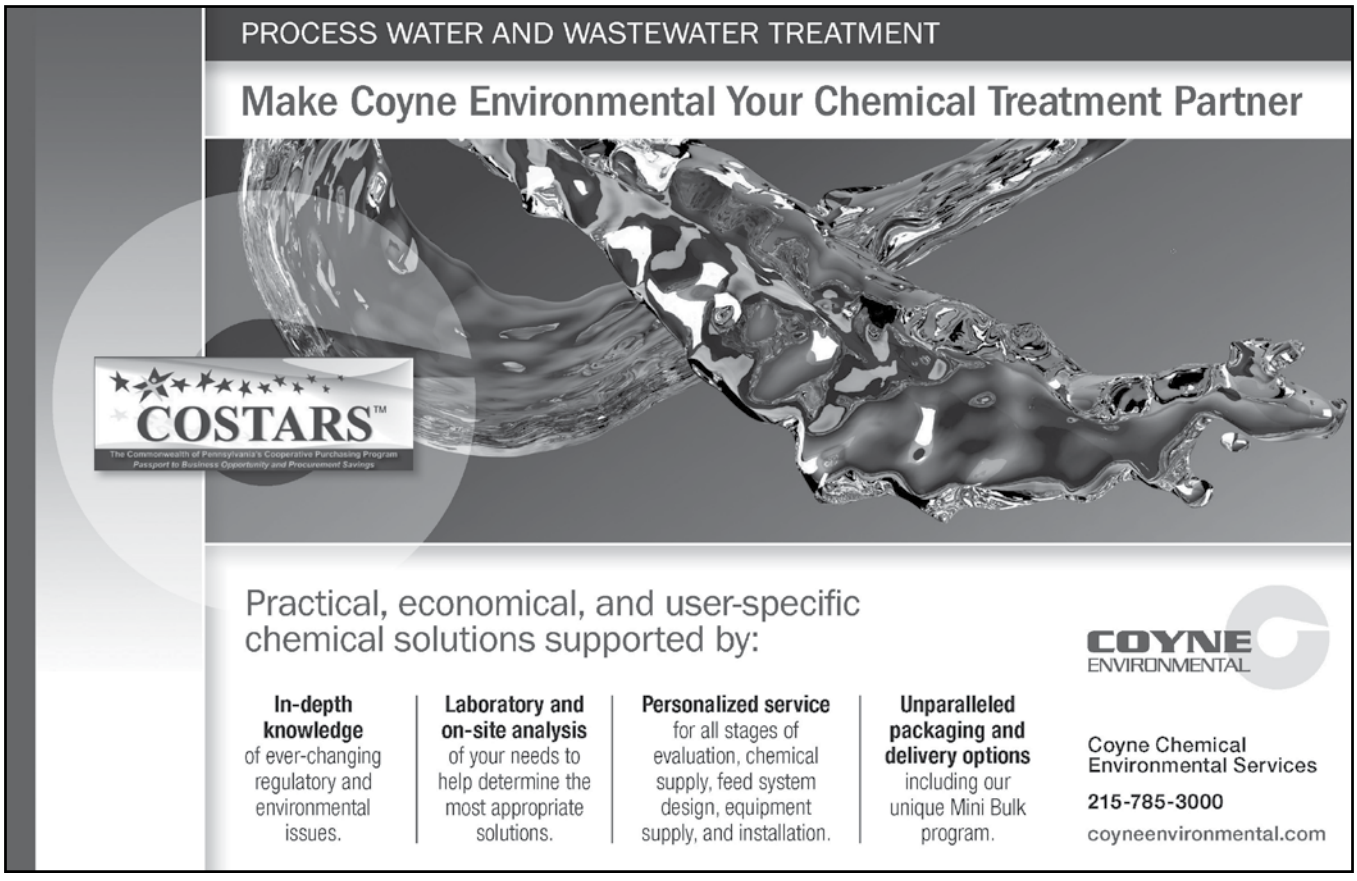
Jeff Garrigan is an assistant vice president with nearly 30 years of experience in the design of water and wastewater systems. He has both a bachelor's and master's degree in environmental engineering from The Pennsylvania State University and is a licensed professional engineer.

Jason Hinz is a group manager with more than 10 years of experience in civil and municipal engineering. He has both a bachelor's and master's degree in civil engineering and is a licensed professional engineer. He is also LEED AP certified by the Green Building Certification Institute.

William Kick is an assistant vice president with more than 20 years of experience in civil and municipal engineering. He has a bachelor's degree in civil engineering technology from the University of Pittsburgh and is a licensed professional engineer.

Bryan Persing is the director of information technology at HRG. He has nearly 20 years of experience in managing computer networks and security. He earned his bachelor's degree from the University of Pittsburgh.

Josh Satteson is a team leader with more than a decade of experience in the design of water and wastewater systems. He has a bachelor's degree in civil engineering technologies from Pennsylvania College of Technology.



water for people
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PA AWWA Water For People Committee Events

November 7, 2019

14th Annual PA AWWA Water For People Gala

Hosted by Stone Hill Contracting Co., Inc.
William Penn Inn, Gwynedd, PA
5:00-9:00 PM

Sponsorship Opportunities Available!

For more information or to become a committee member, please contact

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