

Pennsylvania Water Environment Association
AWARDS PROGRAM



PennTec 2018 • June 3-6, 2018
Hershey Lodge & Convention Center



PennTec 
2018 90th Annual Technical
Conference & Exhibition 

■ ■ 2018 PWEA AWARDS CEREMONY

Monday, June 4, 2018

- 6:00pm** **Reception**
- 6:20pm** **Welcome**—Michael Sedon, 2017-2018 PWEA President
- 6:25pm** **WEF Award Presentations**—presented by Jenny Hartfelder, 2017-2018 WEF President
- 6:40pm** **PWEA Award Presentations**
- Ted Moses High Hat Awards presented by Michael Sassaman
 - PWEA Awards presented by Kevin Shannon, 2018-2019 PWEA President
- 7:15pm** **Presentation of the Past President's Award**
Remarks by Michael Sedon
- 7:30pm** **Presentation of the PWEA President's Gavel**
Remarks by Kevin Shannon

Lists of past PWEA and WEF award winners, going back 25 years, are included at the back of this program. For complete lists, visit www.pwea.org.

2018 AWARDS

WEF Awards

- Arthur Sidney Bedell Award *Larry Fair*
- Laboratory Analyst Excellence Award *Irene Fitzgerald*
- William D. Hatfield Award *James Degnan*
- George W. Burke, Jr. Safety Award *Horsham Water & Sewer Authority*
- Delegate Service Award *Carl Janson*
- Quarter Century Operator Club *Mark A. Chucuddy, Edgar A. Harris, Jr.,
Michael Henry, Timothy B. Kephart, Michael Sedon, Daniel B. Slagle, Gary M. Stetar*
- Lifetime Membership Award *Thomas Eckhoff, Raymond Ferrara, Michael D. Nelson,
A. Barry Seymour, Jerry K. Snyder*

PWEA Awards

- Ted Moses High Hat Award *Greg Leininger, Brian Lubenow, Erin Threet,
David Wisser, Jenny Hartfelder*
- David A. Long Memorial Educational Service Award *Jeff Cantwell*
- Ted Haseltine Award *David Brown*
- Yenchko Meritorious Service Award *M. John Schon*
- Facility Safety Awards
 - Class I *Unity Township Municipal Authority*
 - Class II *City of Reading Wastewater Treatment Facility*
 - Collection System *Horsham Water & Sewer Authority*
- Mark B. Hannum Operator of the Year Award
 - >2.0 MGD *Diana Heimbach*
 - <2.0 MGD *Douglas Zook*
- Roy F. Weston Award *Randy Schaffer*
- Industrial Waste Excellence Award *Hershey Creamery Company*
- Walter A. Lyon Purity of Waters Award *Tina Myers*
- Beneficial Use of Biosolids Award
 - >5.0 MGD *City of Lebanon Authority*
- Golden Raindrop Award *Michael Schober*
- Golden Manhole Society Award *Gary Parks*
- Silver Hammer Award *Conewago Enterprises, Inc.*
- Utility Leadership Excellence Award *Michael Kyle*
- Public Official of the Year Award *Lisa Baker*
- Committee Excellence Award *Utility Management Committee*
- PWEA Lifetime Membership Award *Paul Zimmerman*
- Student Research Awards . . . *Michelle Fedun, Benjamin Roman, Linlin Tang, Rachel Tenney*

■ ■ PWEA PRESIDENT 2017-2018



Michael P. Sedon

Mike Sedon began his wastewater career 29 years ago, as summer help at the Cranberry Township Wastewater Treatment Plant while he was pursuing his BS in Biology at Clarion University. Upon graduation, he was hired by the Township as the laboratory supervisor. For the past 17 years, he has held the position of Manager of Plant Operations. He holds both Water and Wastewater Class A certifications.

Mike has also worked for the Pennsylvania Department of Environmental Protection Operator Outreach program and has been a water/wastewater instructor for PH Environmental, PADEP, the Community College of Allegheny County and the Community College of Beaver County.

Mike has been active in the WPWPCA, receiving several awards and serving as President of the organization. He has also been very active in the PWEA, serving on several committees as well as holding the position of PWO director, Second and First Vice President and co-author of the Whiz Quiz for the Keystone Water Quality Manager.

Mike resides in Baden, PA, with his wife, Nancy. In his spare time, his hobbies include hunting, archery and competitive pistol shooting.

■ ■ PWEA PRESIDENT 2018-2019



Kevin B. Shannon

Kevin Shannon has lived most of his life in the Harrisburg area, where he graduated from Central Dauphin High School in 1974. He received a Bachelor of Science degree in Environmental Resources Management from Penn State University in 1978. Kevin's first job was at Yerkes Associates in Bryn Mawr. While at Yerkes, Kevin earned a Master of Science degree in Water Resources Engineering from Villanova University. After a short stint at Capitol Engineering Corporation in Dillsburg, Kevin spent 21 years at Gannett Fleming as a Project Manager for municipal wastewater clients. Since 2007, Kevin has been

employed at GHD (formerly CET Engineering Services) in Linglestown as a Project Manager and Senior Project Engineer.

Kevin is a registered professional engineer in Pennsylvania and Maryland and a member of WEF, PWEA, CPWQA and PMAA. He has served as CPWQA Government Affairs Committee Chair, Editor and as President in 2014. He is also a member of the PWEA Government Affairs Committee and PMAA's Membership Communication Committee.

Kevin enjoys hiking, biking, birding and traveling. He has been a long-time member of the Cumberland Valley Appalachian Trail Club, currently serving as the club's President and representative to the Appalachian Trail Conservancy's Mid-Atlantic Regional Partnership Committee. Kevin is also on the Board of Directors of Appalachian Audubon Society. He and his wife Cindy reside in Lower Paxton Township and have 2 grown sons, Matthew and Stephen.

PWEA BOARD OF DIRECTORS 2017-2018



Michael P. Sedon
President



Kevin B. Shannon
1st Vice President



Scot Fertich
2nd Vice President



August Belmont
Secretary/Treasurer



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Editor



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About WEF

Founded in 1928, the Water Environment Federation (WEF) is a not-for-profit technical and educational organization of 36,000 individual members and 75 affiliated Member Associations representing water quality professionals around the world. WEF members, Member Associations and staff proudly work to achieve our mission to provide bold leadership, champion innovation, connect water professionals, and leverage knowledge to support clean and safe water worldwide. To learn more, visit www.wef.org.



Jenny Hartfelder

Jenny Hartfelder is the 2017-2018 President of the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Jenny is currently a vice president with Stantec and serves as a national campaign manager out of Denver, Colorado. In this role, she provides strategic planning and leadership for the business development activities for the water sector across the United States. She also serves as a project manager and design engineer on numerous water and wastewater projects including utility privatization, master plans, preliminary and detailed designs, and engineering services during construction.

A WEF member since 1997, Jenny has held multiple leadership and committee roles within the Federation. She has served on the Stockholm Junior Water Prize (SJWP) Committee and the Public Communications and Outreach Committee for many years, chairing the SJWP Committee. Jenny also has served in the House of Delegates as the Speaker of the House and as a member of several HOD workgroups and committees. She is a member of the Select Society of Sanitary Sludge Shovelers and a recipient of the Arthur Sidney Bedell Award.

Also an active member of the Rocky Mountain Water Environment Association, Jenny chaired several committees including Public Education, Nominations, Awards, and the Joint Annual Conference committees, and has moved through the MA officer chairs serving as the president from 2006 to 2007.

Jenny is a registered professional engineer in the states of Colorado and Washington and is certified by the Project Management Institute (PMI) as a Project Management Professional (PMP). She received a B.S. in civil engineering in 1990 from Michigan Technological University, and an M.S. in civil engineering in 2002 from the University of Colorado-Denver.

Arthur Sidney Bedell Award

The Arthur Sidney Bedell Award was established by the Water Environment Federation to acknowledge extraordinary personal service to the Member Association, which may be based on organizational leadership, administrative service, membership activity, stimulation of technical functions, or similar participation. The Award is named for the second President of the Federation, who exemplified its purpose by his long devotion and service to the New York Sewage and Industrial Wastes Association, now the New York Water Environment Association.



Larry Fair

Larry Fair began his wastewater career in 1977 at the Myerstown Wastewater Treatment Facility. Since that time, he spent a few years with the Northern Lebanon County Authority and ultimately returned to Myerstown as their Facility Supervisor. In 2011, North Londonderry Township began construction of its new wastewater treatment plant and hired Larry as the Superintendent of the facility.

Larry is a Life Member of the EPWPCOA, serves on their Board of Directors, and was EPWPCOA President in 2000. He is a WEF member, as well as 2016-2017 President of the PWEA. In addition, he has been a PWEA Board member for many years, as the Eastern Section Representative and as the PWEA Secretary/Treasurer. Larry is a past recipient of the John Yenchko Meritorious Service Award, the Ted Moses High Hat Award, and the WEF William D. Hatfield Award.

In his spare time, Larry enjoys bass fishing and participates in various tournaments throughout the area. He is an avid hunter and outdoorsman. But most of all, Larry values the time spent with his wife, Wendy, on the Sassafras River in Maryland.

Laboratory Analyst Excellence Award

The Laboratory Analyst Excellence Award is presented by the Water Environment Federation to recognize individuals for outstanding performance, professionalism and contributions to the water quality analysis profession. The Award criteria includes outstanding efforts in the area of wastewater and environment aquatic analyses; involvement in community activities or public relations; presentations at professional conferences relevant to water quality analysis; and contributions that have been beneficial to the nominee's facility.



Irene Fitzgerald

Irene Fitzgerald works at DELCORA managing the laboratory operations and the Pretreatment Program. Her duties include managing three laboratory technicians and overseeing all laboratory activities to ensure compliance with all applicable Federal and State regulations. This includes maintaining accreditation with the Pennsylvania Department of Environmental Protection (PADEP), Bureau of Laboratories and with 40 CFR 136. Accreditation requirements include maintaining Standard Operating Procedures (SOPs), submission of proficiency testing, and periodic audits. Managerial duties include providing necessary training to staff, managing the budget, and maintaining effective interdepartmental communications. The laboratory also provides extensive process control testing services to optimize plant operations. She also has experience in utilizing Alternative Testing Procedures (ATP) for compliance testing and working with regulatory personnel, in addition to other laboratories, to streamline operations.

Irene is the Chair of EPWPCOA's H2O Careers Committee and an active member of its Board.

William D. Hatfield Award

The William D. Hatfield Award is presented by the Water Environment Federation to recognize outstanding treatment plant operation. The Award is presented to operators of wastewater treatment plants who, through their outstanding performance and professionalism, deserve commendation. The Award criteria includes a successful system of reports; a forum for suggestions for improvement; financial acumen; a good public relations program; and dissemination of information in the field of water pollution control.



James Degnan

James Degnan currently serves as the Alternate Western Director for the PWEA and is on several Committees. He has proudly received several Western Section awards including the John Yenchko Meritorious Service Award, the Alfred Bologna Water Pollution Control Achievement Award, the Bruno Award, as well as the Past Presidents Award. He is also a recipient of the PWEA's Ted Moses High Hat Award.

He has been a volunteer with the Southwestern PA Household Hazardous Waste Task Force for over nine years and has served as co-chairman for two years. During this time, the Task Force received several awards for their service, including the PA Governor's Award for Environmental Excellence as well as the President's Volunteer Service Award.

James is the Director of Environmental Services for the Township of Hampton. With his ten employees, James is responsible for all aspects of the operation of the Township's 3.2 MGD wastewater treatment plant as well as the 120 miles of sanitary sewer infrastructure. He is responsible for controlling the Department's annual budget, overseeing the treatment plants certified laboratory, dye testing and PA One Call programs, to name a few.

Prior to his position with the Township of Hampton, James was a laboratory technician and was then promoted to Laboratory Manager and Pre-Treatment Coordinator at the McKeesport Municipal Authority. As Laboratory Manager, James was responsible for overseeing the daily laboratory activities, completing the Department of Environmental Protection laboratory accreditation process, and handling various regulatory requirements. As Pre-Treatment Coordinator, he was responsible for the development of local pretreatment ordinances and facility permits, conducting permitted facility tours and sampling, as well as the completion of compliance related documents.

James is currently a Troop leader for Boy Scout Troop 329, in McCandless Township. He resides in Allison Park, PA with his wife Ann Marie, and children, Matthew and Sarah.

George W. Burke, Jr. Safety Award

The George W. Burke, Jr. Safety Award is presented by the Water Environment Federation to encourage an active and effective safety program in municipal and industrial wastewater facilities. The Award is presented to facilities that have demonstrated and illustrated an active and effective safety program and a facility safety record for the preceding calendar year.



Horsham Water & Sewer Authority

The Horsham Water & Sewer Authority is a community water and sewer system serving a population of approximately 23,000 people within the Township of Horsham. The Water Authority was organized in 1954 to provide water service, and the Sewer Authority was organized in 1963 to provide sewer service in the township. There are a total of 131 miles of sanitary sewer lines; with a total of 66 miles in Area A, B, and C and the remaining 65 miles can be found in Area D and E.

The Authority is responsible for four sewage lift stations and three sewage meter pits. The meter pits can be found in Area A, B, and C. The four sewage pump stations are located at County Line Road and Easton Road which are part of Area A and Little Neshaminy and English Village which are part of Area D.

The Authority's wastewater treatment plan divides the Township into 5 drainage areas designated A through E. Areas A, B, and C are located in the southern and eastern portions of the township, where natural flow or drainage is easterly in the direction of the Pennypack Creek. Areas D and E comprise the central and western portions of the township and drain northerly in the direction of Neshaminy Creek.

The Authority collection system is currently operated & maintained by a staff of five. Some of the major equipment used for the operation and maintenance consist of five pick up trucks, a jetter/vactor truck, portable CCTV system, air compressor and sign board. Day to day operations are performed with in-house staff while major repair, such as, excavations, underground repairs, I & I studies, etc. are contracted out.

Delegate Service Award

In recognition of the outstanding work by Member Association Delegates on the Board of Delegates, the Federation provides a Service Award plaque for each retiring Delegate.



Carl Janson, WEF Delegate 2011 - 2017

Carl Janson has a BS in Biology/Environmental Science from Albright College. He initially worked for Hendrick Manufacturing where he served as Divisional Manager for the Water Treatment Division. Three years later he joined Met Pro Corporation, Systems Division of Harleysville, PA and served in several positions, with the longest being Manager of Sales & Marketing, where he had the experience of managing Applications Engineering, Project Engineering, Sales and Marketing for their wastewater treatment, water treatment and air pollution control equipment. He has published several technical papers on leachate treatment and the treatment of surface finishing wastewater. He joined Riordan Materials Corp. and became a principal owner in 1988 and has served as President since 1995.

Carl serves as an Associate Member of the Water and Wastewater Equipment Manufacturers Association and serves on their Board of Directors as the elected representative for Manufacturers Representatives. Carl also is currently very active with WEF servicing on the Public Communications and Outreach Committee, Stockholm Junior Water Prize Subcommittee, Boy Scout Subcommittee Chair, Manufacturers and Representatives Committee, Chair of the Engineering and Procurement Subcommittee, and the WEF Awards Committee. Carl is a past President of PWEA, WEF Delegate (3 Terms), and Past Member of the WEF Board of Trustees. He is also a member of ASCE, PA and NJ AWWA, NJWEA, EPWPCOA (Past President), CPWQA, WPWPCA, and AWRA.

Carl has been honored with the Laureate of WEF Fellow, WEF Life Member, Ted Moses High Hat Award, Membership Recruiter Award, Roy F. Weston Award, Walter A. Lyon Purity of Water Award, Sidney Bedell Award, Yenchko Meritorious Service Award, PWEA Golden Manhole Award, NJWEA Sludge Shovelers, and NJWEA Golden Manhole Society.

Carl is an Alumni Board Member for Albright College and serves on the Board Executive Committee. He is also a past member of the Jaycees and Rotary. Carl enjoys cycling and has participated in several MS 150 events as a cyclist.

Quarter Century Operator Club

The Quarter Century Operator Club Award is presented to an individual who has been a member of the Water Environment Federation for a minimum of 5 consecutive years immediately preceding application, and who has been a significant, full-time participant in the water environment industry for a period of 25 years - 10 years of which must have been in active participation in the day-to-day collections, maintenance, operations, laboratory, or management of a wastewater transportation or treatment facility.

Mark A. Chucuddy
Edgar A. Harris, Jr.
Michael Henry
Timothy B. Kephart
Michael Sedon
Daniel B. Slagle
Gary M. Stetar

Lifetime Membership Award

The Lifetime Membership Award acknowledges a person who has been an Active Member, Professional Wastewater Operations Member, or a representative of a Corporate or Associate Member in one or more Member Associations for a combined total of at least thirty-five years and who has reached the age of 65 years at the time of application for transferring to Life Member.

Thomas Eckhoff - Member Since 1982
Raymond Ferrara - Member Since 1979
Michael D. Nelson - Member Since 1968
A. Barry Seymour - Member Since 1981
Jerry K. Snyder - Member Since 1979

Ted Moses High Hat Awards

The Ted Moses High Hat Award is given by PWEA in honor of Ted Moses, the first Secretary of the Association. This is a service award given to members who have distinguished themselves while working to promote the Association and its programs.

The original high hat, purchased in a Philadelphia pawn shop in 1935, is the Association's most prized and priceless possession. The names of past recipients are lettered upon the hat, and the annual ceremony accompanying the presentation of this award has become a tradition at the PWEA Annual Dinner & Awards Ceremony. Because the original high hat had no additional space for names of award recipients, Ned and Marti Sams purchased another high hat. The Sams graciously donated this second hat to the Association so that names of future award recipients will also appear on a high hat.



Greg Leininger

Greg Leininger has worked in the water treatment and water analysis field for over 24 years. Currently and for the past two years, he holds the position of Hach Divisional Sales Manager responsible for sales to municipal and Industrial Markets from Pennsylvania to Maine. For the previous nine years with Hach, he worked as a Regional Sales Manager for the municipal markets for Western Pennsylvania. Previously, Greg worked for Calgon Carbon Corporation in sales, marketing and product development supporting industrial and municipal markets.

Greg holds the position of 2nd Vice President for Western PA Water Pollution Control Association and held chairman titles for the Exhibitors and Sponsors and also the Picnic committee. Greg and is actively involved in PA AWWA and WWOAP. He served as Chairman of the SW AWWA in 2015.

Outside of the industry, Greg is the President of Robinson Township Lions Club and member of the Holy Trinity Parish Finance Council. He has an MBA from Duquesne University and has a bachelor of science in Chemical Engineering from the University of Notre Dame.



Brian Lubenow

Brian Lubenow has been an active member of the PWEA Editorial Committee since 2010 and has served as the chair of this committee and PWEA Editor since 2014. Brian received his B.S. in Environmental Engineering from Wilkes University in 2000 and M.S. in Civil Engineering from the University of Delaware in 2002. He has spent his entire professional career employed by CDM Smith in Lancaster, where he manages municipal water and wastewater treatment and conveyance projects, primarily in Pennsylvania and Maryland.

Brian lives in near Reading with his wife, Amy, and three children, Ian (13), Molly (10), and Erik (7). He enjoys spending his time trail running throughout Berks County and involved with his kids' activities, including Boy Scouts, soccer, baseball, lacrosse, cross country, and track.

Ted Moses High Hat Awards, continued



Erin Threet

Erin N. Threet, P.E. is a water and wastewater project manager at Herbert, Rowland & Grubic, Inc. (HRG). She also manages HRG's Lewisburg office, overseeing a staff of 10. Erin has more than 10 years of experience in all phases of system development: from planning through design, permitting, and construction. Her projects have included water storage, treatment, and distribution facilities as well as wastewater collection, conveyance and treatment systems. She also provides retainer services to multiple municipalities and municipal authorities.

Erin is actively involved in the water and wastewater industry as a member of the Pennsylvania Water Environment Association, the Pennsylvania Municipal Authorities Association, and the Pennsylvania American Water Works Association. She is currently serving as President of the Central Pennsylvania Water Quality Association.

Erin lives in Mifflinburg, PA with her husband Anthony and two sons, Braden (7) and Bryson (4).



David Wisser

David Wisser has been employed for the Joint Municipal Authority of Wyomissing Valley since 1982. He started as an Operator and was promoted to Authority Manager in 1989. He has a BS in Biology from Kutztown University and holds a Class A,E subclass 1,2,3,4 license.

From 1992 to 2003 Dave was an instructor for the PADEP wastewater operator training courses. Since 2014 he has been an instructor for RACC Wastewater Operator Certification program. He has also been an instructor for several EPWPCOA courses.

Dave currently serves as the 2nd Vice President of the Eastern Pennsylvania Water Pollution Control Operators Association. Dave strives to promote the field of wastewater treatment with plant tours for groups ranging from Cub Scout troops to Women's groups and local schools groups.



Jenny Hartfelder

Refer to page 6 for information about this award recipient.

David A. Long Memorial Educational Service Award

The David A. Long Memorial Educational Service Award was established in 2001. The award is in recognition of Dr. David A. Long for his lifelong service and dedication toward the education and training of water and wastewater treatment plant operators and environmental professionals. This award is presented to individuals who distinguish themselves through their efforts and contributions to the education of water quality professionals.



Jeff Cantwell

Jeff Cantwell, of Flow Assessment, has been a long time member of the PWEA Collection Systems Committee. He has spearheaded many training events, including the Private I/I Conference in 2017. Jeff was the visionary for the conference and its coordinator. In past years he was a major contributor to the previous Private I/I workshop, the Pump Station Ins and Outs workshop in 2016, and the Collection System Funding workshop. He also contributes every year to making the two days of PennTec Collection System sessions a success by guiding the process, as well as serving as backup presenter. Jeff is chair of the PennTec

2018 Program Subcommittee.

Ted Haseltine Award

Theodore R. Haseltine's specialty was to put theory into practical operation. He was a pioneer in the design of the activated sludge wastewater treatment facilities and step aeration process and a highly respected wastewater facilities designer. The PWEA is very proud to present this award to honor this exceptional person.

The PWEA Ted Haseltine Award is presented to a PWEA member who has made significant contributions to the advancement of knowledge in Pennsylvania's water quality management field through design or operational work with the wastewater treatment processes.



David Brown

David Brown is the manager of Wastewater Education at ALCOSAN. He conducts all process control and certification training for the Operations Personnel at ALCOSAN. Besides being the chair of PWEA's Training Committee, he was a past chair of the PWO Committee. David is also an active member of the Western PA Water Pollution Control Association where he was a past president and is currently chair of the Training Committee. David has a tremendous impact on the wastewater industry through his many educational endeavors including being an adjunct professor at The Community College of Beaver County where

he instructs at their Wastewater Operators Certificate Program and the Process Equipment Technologies Course.

Dave is a recipient of the Ted Moses High Hat Award, the William D. Hatfield Award, and the David A. Long Memorial Educational Service Award.

David is also a member of the WEF Quarter Century Operators Club and has been a PWEA member since 1996.

Yenchko Meritorious Service Award

Originally the PWEA Meritorious Award, the Award was presented to persons answering the call of service to the Association above and beyond expectations. In 1995 this Award was renamed the Yenchko Meritorious Service Award in honor of John and Sue Yenchko and their decades of dedicated and faithful service to the Association. This Award is presented to an individual (or couple) who has made a significant contribution of their time in any type of service to the Association.



John Schon

M. John Schon is the Operations Director of the Butler Area Sewer Authority (BASA) in Butler, Pennsylvania.

John started working for BASA in 1990 and served as Manager from 1996 until 2009, when BASA reorganized and he became the Operations Director. Prior to joining BASA, John worked for Chester Engineers in Pittsburgh, Pennsylvania.

John has been an active member of the WEF, the PWEA, and the WPWPCA since 1983. He currently serves as the Chair of the PWEA Constitution and Bylaws Committee and is also a member of the PWEA Finance Committee and the PWEA

Policy and Planning Committee. He is also a Co-Chair of the WPWPCA Awards Committee and serves on several other WPWPCA committees. John previously served as President of the PWEA and as a PWEA Delegate on WEF's House of Delegates. He is also a Past President of the WPWPCA and served as the Western Section Director on the PWEA Executive Board. John is a past recipient of numerous WPWPCA awards, as well as the William D. Hatfield Award and the Arthur Sidney Bedell Award from WEF, and the Ted Moses High Hat Award and Ted Haseltine Award from the PWEA.

John received a B.S. degree in biology from Allegheny College, Meadville, Pennsylvania, and a M.S. degree in Water Pollution Control from the University of Pittsburgh Graduate School of Public Health. He has also completed extensive graduate credits in civil engineering at the University of Pittsburgh Graduate School of Engineering. John is a registered Professional Engineer in Pennsylvania and West Virginia, and he holds Class A Wastewater and Water Treatment Plant Operator Licenses in Pennsylvania.

John and his wife, Dr. Gale Richardson, reside in the Town of McCandless and are the proud parents of Kelly and Emily.

Facility Safety Awards

The PWEA Safety Committee awards the Facility Safety Award to a facility or collection system that has the highest score based on information obtained from the Wastewater College System Safety Award Application process. A facility must have won the Safety Award in an individual Section the previous year before being considered by the PWEA. The Awards are given to a Class I Facility (less than nine employees), a Class II Facility (more than nine employees), a Class II Facility Honorable Mention (more than nine employees and scoring one point less than the winner score), and a Collection System.



Class I Facility Safety Award Unity Township Municipal Authority

The Unity Township Municipal Authority (UTMA) developed a new Employee Workplace Safety & Health Program late in 2015. The program started by forming a Safety Committee that was certified by the PA DL&I. The Program was developed to cover the WWTP employees and the office staff. The committee is

made up of representatives from the WWTP employees, office staff and management. All employees rotate through a one-year term on the committee.

The committee was then tasked with creating a manual. The result was a 68-page manual titled "Employee Workplace Safety & Health Program Manual." The manual was reviewed by the committee and updated in December of 2016. It details the UTMA's commitment to safety and safety procedures for many daily tasks.

The committee meets monthly to review Safety Suggestions, Accident Investigation Reports, Vehicle Accident Reports, and Facility Safety Inspection Reports. The committee also discusses safety training needs and any other safety-related topics.

The committee inspects all ladders twice a year. The ladders are tagged and taken out of service when they are not safe for use. Inspection logs are kept to track the inspections.

The program also requires Confined Space Entry Permitting. Entry procedure are detailed and the permits are kept to track the process. Early in the program, this procedure resulting in finding a manhole with unsafe conditions. By following the procedures, the employees did not enter the manhole. This obviously eliminated a very dangerous situation.

Over the years, the committee has made recommendations that were approved by the UTMA. AED units were installed at the Pleasant Unity STP and Office. Lock-out/tag-out stations were installed throughout the facility. Fall protection/retrieval equipment was purchased for use throughout the system. Manufacturer representatives provided training on the setup and use of the different devices. OSHA SDS, Labeling and Pictogram training was provided to all employees in 2015 and is given to all new employees. All employees have been trained in First Aid, CPR and the use of AED.

The front teller windows were modified so that they can be locked, panic alarm buttons were added at each office employee's desk, and additional video surveillance was added. This allows for quick notification of emergency personnel.

Although UTMA has had several degrees of formal safety material, safety has always been a priority. As of December 31, 2017, UTMA celebrated 9,036 days without a lost time accident.

Facility Safety Awards, continued



Class II Facility Safety Award City of Reading Wastewater Treatment Facility

The City of Reading Wastewater Treatment Facility includes five city-owned remote pump stations and inter-municipal contributors whom contribute a 20.5 MGD average design flow to a 34-acre Trickling Filter based treatment plant. The City is

home to 89,000 residents and a large concentration of commercial and industrial users. An upgrade that will transition the Trickling Filter plant to an Activated Sludge plant is underway, quadrupling the daily personnel headcount and moving equipment within the facility.

Safety is paramount and begins with the individual. The plant's base staff of 43 employees receive a weekly safety tailgate topic. The safety program includes an On-line SDS system, NIMS, GHS, Hazardous communication, SCBA, Emergency Evacuation planning, SPCC, PPC, AED, and CPR. The plant engages Facility- and City-wide accident review and prevention program. Vehicle accidents and personal injuries are reviewed for potential of reoccurrence and new safety protocols are identified.

The training and safety program strives to provide the tools employees need to remain safe and compliant with regulations. Whether it be mental knowledge or physical equipment, the City of Reading Wastewater Treatment Plant is ready to step up and take charge of the health and safety of our employees, so they may in turn continue to serve our communities and the environment as a whole.



Collection System Facility Safety Award Horsham Water & Sewer Authority

Refer to page 8 for information about this award recipient.

Mark B. Hannum Operator of the Year Awards

This award recognizes the operator that exemplifies the highest qualities and integrity of the water quality profession. This award is in memory of Mark B. Hannum, past president of PWEA and Director of Operations and Maintenance at ALCOSAN. Mark was highly regarded and respected by water quality professional in all areas of the industry. The award recipient is selected based not just on the operations of their facility but their contribution to the water quality profession.



>2.0 MGD
Diana Heimbach

Diana Heimbach is the Project Manager for CH2M at the Lehigh County Authority (LCA) Wastewater Pretreatment Plant in Allentown, PA. Diana began her career at CH2M as a laboratory analyst in 2008. In 2013, she advanced to Laboratory Supervisor and took on the additional role as a CH2M Regional Lab Coordinator. As a Lab Coordinator, she traveled to other CH2M labs and performed internal audits. This experience broadened her interpersonal skills and provided a building block into management. In 2014, she advanced into the Assistant Project Manager position. She obtained her operator's license in 2015 and was promoted to Project Manager. Since becoming Project Manager, she has improved plant operations, spearheaded a full re-write of the extensive waste hauler program to mitigate risk and improve client revenue, and worked with the client on large capital projects including two belt press rebuilds, installation of a new grease receiving station, and design and implementation of a plant-wide SCADA system. Additionally, in 2017, Diana's operational and managerial improvements helped CH2M to secure a 10 year extension to their contract with LCA that will carry their partnership through December 2028.



<2.0 MGD
Douglas Zook

Douglas Zook is employed by Inframark at the Northwestern Lancaster County Authority (NWLCA) Water and Wastewater Treatment Plants in Manheim, PA. After retiring from the U.S. Coast Guard in 2011, he obtained employment with Inframark at the Lititz, PA Water and Wastewater plants where he worked as an operator. In 2013 after achieving both Water and Wastewater certifications, he was transferred to the NWLCA projects and was promoted to Plant Supervisor in 2015. In 2017 the NWLCA Wastewater Treatment Plant was awarded the EPWPCOA Operations and Maintenance Excellence Award. He was promoted to Plant Manager in 2018.

Roy F. Weston Award

The Roy F. Weston Award was established in 1985 by the PWEA to acknowledge significant individual contributions to the field of industrial waste management. From a broadly based perspective, it recognizes the professional achievements of Awardees whose activities may have been conducted in the public or private sectors, in government service, or in academia. The Roy F. Weston Award is given to an individual residing in Pennsylvania who is involved in industrial waste management and has demonstrated leadership, significant achievement, and substantial contributions to the field of industrial waste management.



Randy Schaffer

Randy Schaffer started his career in wastewater by first working in an environmental testing lab in 1974. During this time, he took Environmental Engineering courses, which provided him with credentials to work at the Harrisburg Advanced Wastewater Treatment Facility (AWTF). Randy became Harrisburg's Pretreatment Coordinator in 1989 and also assumed the role of Laboratory Supervisor in 2008 at the AWTF. Randy oversees the laboratory accreditation program for the AWTF and has developed and implemented test method standard operating procedures (SOPs) and quality assurance/quality control criteria to maintain accreditation. Randy is the named Laboratory

Supervisor and Quality Assurance Officer for the AWTF for laboratory accreditation.

Randy was part of the Harrisburg AWTF Safety committee and later joined PWEA's Industrial Waste Pretreatment committee, of which he is a current member. Randy has attended many pretreatment seminars through the years to further advance his knowledge of industrial waste and has presented at workshops on the topic. Randy maintains his Class A 1,2,3,4 and E wastewater operator's license. Under his term as the City of Harrisburg's pretreatment coordinator, the City had received a 1st place EPA National Pretreatment Program Excellence Award in 1990. Randy has accrued over 530 hours of continuing education credits over his tenure in the industry to further his knowledge of wastewater and industrial waste.

Over the years as the City of Harrisburg's pretreatment coordinator, and now for Capital Region Water (CRW), Randy has gained experience and knowledge with a variety of significant industrial users including, but not limited to, metal finishing, electroplating, printed circuit board manufacturing, incineration, landfill leachate, railroads, ice cream manufacturing, meat processing, water treatment and storage tank remediation sites. While his staff may conduct some of the industrial sampling, Randy continues to conduct the industrial site inspections.

In his role as Pretreatment Coordinator, Randy has developed standard operating procedures (SOPs) for an Industrial Waste Pretreatment Program Manual, an Industrial Waste Pretreatment Program Spill Prevention Plan Guidance Manual, an Industrial Waste Pretreatment Program Self-Monitoring Guidance Manual, and a Contract Waste Hauling Program Manual. He also conducts his own Local Limits Evaluations, updates pretreatment ordinances, as necessary, conducts annual surcharge assessments for some industrial dischargers and prepares the annual pretreatment report. Randy maintains open communications with EPA pretreatment personnel regarding CRW's industrial pretreatment program.

Industrial Waste Excellence Award

The Industrial Waste Excellence Award is to recognize outstanding performance by industry in the area of industrial waste management in Pennsylvania. This award is given in consideration of wastewater or hazardous/solid waste facility design, research and/or operations as they relate to protection of surface and groundwater within Pennsylvania.



Hershey Creamery Company

The Hershey Creamery Company was established in 1894. It is a family owned corporation engaged in the manufacture of Ice Cream, Ice Cream Novelties, Sherbets, Ice Milk and Yogurt.

As a significant industrial user discharging a high load of conventional pollutants, the Hershey Creamery Company installed a pretreatment system in 1992 to reduce their loading to Capital Region Water's wastewater treatment facility. The

pretreatment system treats 40 to 70 thousand gallons per day of high strength wastewater and consists of an equalization tank, chemical addition (polymer plus poly aluminum hydroxide (PAH)) tank for flocculation, dissolved air floatation (DAF) unit to remove the flocculant, final pH adjustment and sludge storage. The pretreatment plant functions to equalize clean-in-place (CIP) wastewater, remove excess fats (cream) and suspended solids from the waste stream and discharge only soluble BOD.

Over the years the quality of the pretreated wastewater waxed and waned depending on the attention to the pretreatment plant processes. In recent years a pretreatment SOP was developed in an effort to maximize treatment capability. The DAF thru-put is monitored to adhere to the design capacity of the DAF unit and poly aluminum hydroxide (PAH) coagulant was reintroduced to supplement the existing polymer. This along with daily log sheets to documentation the operating parameters (gage reading and recording), introduction of settleometer testing for flocculant assessment, weekly or as needed process pH meter calibration and hourly flow monitoring has led to treatment optimization.

Over the past year, the aforementioned operational optimization has resulted in a significant reduction in BOD and TSS surcharges. Also, Oil/Grease exceedances were reduced to zero and compliance increased to 100%.

Walter A. Lyon Purity of Waters Award

The PWEA Walter A. Lyon Purity of Waters Award was established by the PWEA Awards Committee to acknowledge extraordinary personal service and commitment to the Association and to the protection of the waters of this Commonwealth. The Award is presented to an individual for his/her contributions to the advancement of the PWEA and water quality protection.



Tina Myers

Tina Myers has been the Wastewater Department Supervisor for New Holland Borough since 1988. The plant recently completed a BNR upgrade.

She supervises a staff of four with all phases of plant and collection system operations. Tina previously worked in contract operations, and in municipal plants at Elizabethtown, Columbia, and Lititz. Her first treatment plant position was as Lab Technician. She holds a PA Operator Certification - Class A, E, subclass 1,2,3,4.

Tina received her degree in Biology from Millersville and is working to complete an advanced degree in Environmental Pollution Control from Penn State Harrisburg. She currently serves as an instructor for the Wastewater Operators Program at the Reading Area Community College. She also services on the PWEA Board of Directors as the Eastern Section Director.

Beneficial Use of Biosolids Award

The Biosolids Award was established by the PWEA Biosolids Committee to acknowledge extraordinary facilities in the area of biosolids management and compliance with PA DEP regulations.



>5.0 MGD City of Lebanon Authority

The City of Lebanon Authority (COLA) Biosolids Program is a very self-sufficient program. Looking back before the EPA 503 regulations the facility had taken care of all aspects of their 'sludge' hauling. From permitting the farms to hauling and spreading the solids as well as collecting soil samples and working with farm's conservation plans. All record keeping was maintained in house. The COLA laboratory performed the metals and nutrient analysis on the soils.

When 503 came in and the changes it brought - the facility continued to maintain this approach. Permitting of the biosolids was performed by plant staff - under a Class B / Non-EQ permit. All residual nitrogen calculations, agronomic calculations and notifications were handled in house. The facility continued to haul and apply both liquid and dewatered 'cake' biosolids.

In 2014 a new biosolids processing building was brought on line. Two 1.9 million gallon anaerobic digesters begin the process, in series. The digested biosolids are dewatered using two Alfa Laval centrifuges and then dried by a Komline Sanderson Dryer. The initial demonstration of the class A process and permit application were all performed by and prepared by current COLA Staff.

Currently the biosolids are given away to local farmers and used by the Greater Lebanon Refuse Authority as a top soil amendment. The GLRA uses the topsoil for landscaping. COLA had worked with a consultant to market the biosolids. At that time because many cost savings were already in place - the gain would be minimal and the decision was made to just give away the class A Biosolids away.

The facility produces between 900 to 1000 dry tons of biosolids per year.

Golden Raindrop Award

The PWEA Golden Raindrop Award was established by the PWEA Stormwater Committee to acknowledge extraordinary personal service to the Association while working to promote stormwater management understanding, operation & maintenance, training and continuing education. The award will be presented to an individual for contributions to the advancement of the state of the art of stormwater management.



Michael Schober

Mike Schober is a regular and active participant in PWEA Stormwater Committee activities and statewide PWEA meetings. He reviewed abstracts for the 2017 Stormwater Summit and PennTec 2018 and provided useful feedback in evaluations and selection of speakers. He served as a moderator for the Stormwater Summit in November 2017 in State College, PA.

Mike has been a member of PWEA for over 25 years and has participated actively in the Stormwater Committee and currently chairs the Public Education Committee. As a Regional Client Service Manager at T&M Associates, he is regularly involved in helping municipalities with Pollution Reduction Plans and is assisting with the formation of a stormwater authority. Mike is also actively involved in the Pennsylvania Municipal Authorities Association and the Eastern Pennsylvania Water Pollution Control Operators Association.

Golden Manhole Society Award

The PWEA Golden Manhole Society Award was established by the PWEA Collection System Committee to acknowledge extraordinary personal service to the Association while working to promote wastewater collection system understanding, operation and maintenance, training and continuing education. The award is presented to an individual for contributions to the advancement of the state of the art of wastewater collection.



Gary Parks

Gary Parks has over 25 years of municipal management experience as a councilman, borough manager and in authority management. The last ten years have with The Peters Township Sanitary Authority as their Special Projects Manager.

In his current capacity, he has developed and implemented an expanded time of sale dye test program as well as a grease trap inspection and management program. Both of these programs involve heavy interaction with the public.

In addition to on the job training, he is a PA Certified UCC Commercial Plumbing Inspector and is NASSCO Certified in PACP (Pipeline Assessment Certification), MACP (Manhole Assessment Certification Program) and LACP (Lateral Assessment Certification Program).

Silver Hammer Award

The PWEA Silver Hammer Award was established to acknowledge stewardship of the water environment through the design and construction of water, wastewater or storm water collection, conveyance, or treatment facilities. The award will be presented to an individual or a business entity whose endeavors have enhanced the waters of the Commonwealth through performance or management of responsible and sustainable design or construction activities.



Conewago Enterprises Inc.

For over five decades, projects constructed by CEI (or its predecessor, Conewago Contractors, Inc.) have served the citizens and businesses of the Commonwealth of Pennsylvania by making significant improvements to a multitude of wastewater collection, pumping, and treatment systems. Since 1997, CEI has completed over 50 projects for a variety of municipal, industrial, and real estate project owners in several central Pennsylvania counties,

more than 20 of which have exceeded \$1,000,000 in construction cost. While the majority of these projects were implemented utilizing a conventional design-bid-build project delivery platform, when the opportunity presented itself, CEI utilized design-build project delivery, and also performed unmandated value engineering evaluations to enhance benefits to the project owner. Recent municipal wastewater projects have included work for the Hampden Township Sewer Authority, the Borough of Hanover, the Borough of Greencastle, and the Gettysburg Municipal Authority. Recent industrial projects have included work for the Hanover Foods Corporation and the Knouse Foods Cooperative, Inc.

In addition to their efforts in the wastewater market, CEI has been an active participant in the improving the quality and reliability of drinking water systems in the Commonwealth. Since, 1997, CEI has completed well over 20 projects for a variety of municipal and industrial project owners, as well as the Commonwealth of Pennsylvania. Recent municipal water projects have included work for the New Oxford Municipal Authority, the Guilford Water Authority, the Carlisle Borough Municipal Authority, and the South Middleton Township Municipal Authority.

Utility Leadership Excellence Award

The Utility Leadership Excellence Award is given to recognize an individual PWEA member (or employee of a corporate member) who is not a consultant, who has demonstrated leadership that had a positive impact on the operation of a utility. The awardee can be anyone employed at a utility that performed impressively in leading a team to solve a problem or create an opportunity.



Michael Kyle

Mike has been Executive Director of the Lancaster Area Sewer Authority (LASA) for 18 years. LASA serves 38,000 customers in Lancaster County. For the previous 20 years he worked for Springettsbury Township in various capacities including Chief Chemist, Industrial Pretreatment Administrator, Assistant Plant Operations Superintendent; Laboratory and Technical Services Superintendent; and Director of Wastewater Treatment. He has also worked part time as a biosolids, pretreatment, operations and management consultant and trainer in various capacities, and was a part-time instructor of an undergraduate course in

Environmental Chemistry at Penn State Harrisburg.

He has participated in various task forces, including the multi-state Chesapeake Bay NRT Cost TF, the Lancaster County Chesapeake Bay TF, and the Lancaster County Growth Management Plan Update TF. He has been a presenter at EPA Industrial Pretreatment workshops in several states, instructor for the PWEA operator short course, and an outreach instructor for DCA and DEP. He is a Member and past chair of the State Board for Certification of Water and Wastewater Operators, is on the Lower Susquehanna Water Resources Regional Committee, and is on the Board of the Little Conestoga Watershed Alliance and is Treasurer of PA One Call, Inc. He has also been active in various state and section committees over the years, including the government affairs, training, and utility management committees.

Mike is a past-President of the Central Section PWEA, past-Board member of the Eastern Section Operators Association, past-President of the PWEA, and past-President of the Pennsylvania Municipal Authorities Association (PMAA). He has served two terms as a Delegate to WEF, and is currently the WEF Community of Practice Director for Operations and Maintenance, and chairs the WEF Operator Advisory Panel.

He is the proud recipient of several awards, most notably the WPCA Central Section C. Eber Wingert Clean Streams, the WPCA of PA Ted Haseltine, the PWEA David A. Long Memorial Educational, the Eastern Section Gordon Wiest Clean Streams, the Governor's Award for Local Government Excellence - Outstanding Service to Local Government, PMAA's L.W. Red Davis and the William Markus Awards.

Mike has a bachelor's degree in Medical Technology and a Masters of Environmental Pollution Control from Penn State.

Public Official of the Year Award

The purpose of this award is to recognize an individual state or local elected or appointed public official who has demonstrated leadership that had a positive impact or made a significant contribution towards improving the water industry or the water environment.



Lisa Baker

PA State Senator Lisa Baker was the prime sponsor and an active proponent of the legislation amending the Pennsylvania Underground Utility Line Protection Act, which governs the Pennsylvania One Call System. This bill was ultimately signed into law by the Governor on October 30, 2017. This law plays a key role in protecting public and utility worker safety and the environment; and protecting public underground infrastructure including water and sewer lines.

PA One Call is the communication system established to promote safety and prevent damage to underground utilities. This legislation transferred enforcement authority from the Department of Labor and Industry to the Pennsylvania Utility Commission (PUC), which is consistent with the PUC's current regulatory obligations and with recommendations by the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) and the Governor's Pipeline Infrastructure Task Force.

The legislation also removes numerous excavation work exemptions. The results are that all facility owners and their contractors must participate, including those for Class 1 gathering pipelines, which will ensure that the Commonwealth continues to receive certain federal safety grants.

It also provides for mapping of lines and facilities moving forward, establishes a damage prevention committee, places additional duties on facility owners, excavators and project owners, and provides for assessments, fees and penalties. Finally, this legislation extends the sunset date of the Act to December 31, 2022.

Lisa Baker is serving her third term representing the 20th Senatorial District, which includes substantial parts of Luzerne and Susquehanna counties and all of Pike, Wayne, and Wyoming Counties.

She is noted for her accessibility in the district, for her practical and reasonable approach to problem-solving, and her bipartisan work on constructive legislation. Numerous community organizations and projects have benefitted from her concerted advocacy, including business development and job creation efforts, library expansions, senior housing initiatives, and recreation programs. Working with county and municipal officials, she has helped to secure essential funding for sewer and water system upgrades, transportation priorities, and intergovernmental cooperation efforts.

This session is her first chairing the Senate Health and Human Services Committee, which has wide-ranging jurisdiction over significant programs and services. She serves as a member of the following committees: Aging and Youth, Appropriations, Consumer Protection and Professional Licensure, and Veterans Affairs, and Emergency Preparedness.

Senator Baker is an inductee of the Pennsylvania Department of Military and Veterans Affairs Hall of Fame. Other honors and awards include Advocate of the Year from the ARC of Luzerne County, the Commitment to Children Award from the Children's Service Center, the Legislator of the Year Award from the ARC of Pennsylvania and the American Heart Association, and the Distinguished Citizens Award and the Silver Distinguished Citizens Medal from The Marine Corps League of Pennsylvania.

Senator Baker is a graduate of Dallas High School and Shippensburg University, where she received a B.A. in Government Administration. She resides in Lehman Township, Luzerne County, with her husband Gary. They have one son, Carson.

Committee Excellence Award

The Committee Excellence Award recognizes any standing committee or ad hoc committee for outstanding service to the Association by actively promoting the mission of the Association.

PWEA Utility Management Committee

The Utility Management Committee is charged with enhancing utility management through education, networking, and professional certification.

In 2017, the committee finished off its series of articles in the *Keystone Water Quality Manager* on the “The Five Keys to Management Success”, including articles on “Measurement”, “Leadership”, and “Organizational Approaches”, authored by Mark Pickering, Russ McIntosh, and Jean Malafronte. This year also included two articles providing an overview of the “Water Utility of the Future Now Program”, authored by Jean Malafronte and Mike Kyle. Upcoming articles will include an “Effective Utility Management – EUM” tied to the 2017 workshop topic of EUM, and “Community Partnership and Engagement”, to be authored by Mike Kyle.

The committee developed and sponsored a full-day of technical sessions and a half-day of finance sessions at PennTec 2017, focusing on capital planning and evaluation. The committee has developed another full-day and a half-day of sessions for PennTec 2018, with the theme of utility of the future.

The committee also reviewed nominations and recommended award of the second “Utility Leadership Excellence Award” to David Stewart from the Capital Region Water Authority, which was awarded at PennTec 2017. Finally, the committee was the primary lead in EPA’s “Effective Utility Management” workshop, held in November 2017, and is in the planning stages of a workshop focusing on Finance for fall of 2018.

Members of the Utility Management Committee include the following:

Michael Kyle, **Chair**

Mark Pickering, **Vice-Chair**

Jeffrey Bowra

Charles Card

Elizabeth Cheeseman

Jeremy Deitrick

Kevin Fox

Jim Kern

Jean Malafronte

Matthew Manchisi

Stephen Marcino

Russell McIntosh

Peter Pineda

John Rae

Karl Sieg

Adrienne Vicari

PWEA Lifetime Membership Award

The Lifetime Membership Award acknowledges a person who has been an Active Member of the Pennsylvania Water Environment Association for a combined total of at least thirty-five years and who has reached the age of 65 at the time of application for transferring to Life Member.

Paul Zimmerman - Member Since 1977

Student Research Awards

The PWEA Student Research Awards are put forth to promote the development of innovative and useful technology for wastewater related issues at the undergraduate and graduate level. The PWEA Research Committee strives to encourage the active participation from institutions of higher learning throughout Pennsylvania and surrounding states. In addition to the aforementioned criteria, judging of the awards also includes quality of research, application, and clarity of goals and objectives through written content.



Michelle Fedun

Lehigh University

Advisor: Dr. Kristen Jellison

Research Paper: Characterizing *Cryptosporidium* spp. in a Municipal Watershed



Benjamin Roman

Penn State, University Park

Advisor: Dr. Rachel A. Brennan

Research Paper: Waste to Food: Protein Production by a Duckweed Polyculture Grown throughout a Pilot-Scale Ecological Wastewater Treatment System



Linlin Tang

Penn State, Harrisburg

Advisor: Dr. Yuefeng Xie

Research Paper: Copper Removal by Electrowinning Process from Waste Brine Solutions



Rachel Tenney

Lafayette College

Advisor: Dr. Arthur Kney

Research Paper: Development of Struvite from Wastewater Using Insoluble Magnesium Sources

Students will present their papers at the Research Program on Tuesday beginning at 1:00pm. Awards will be presented at the end of the Program.

PWEA Past Presidents

1926-1928	Elton D. Walker, PhD*	1957-1958	Bernard S. Bush*	1987-1988	Joseph A. Augustine, Sr.
1928-1929	Howard E. Moses*	1958-1959	Harry W. McElhaney*	1988-1989	William F. Hill
1929-1930	Lewis E. Burnside*	1959-1960	Samuel I. Zack*	1989-1990	Richard I. Gillette
1930-1931	Harry M. Beaumont*	1960-1961	Alfred E. Estrada	1990-1991	Robert E. Zischkau, Jr.
1931-1932	Lowell M. Monroe*	1961-1962	John Yenchko*	1991-1992	Raymond H. Myers
1932-1933	Raymond O'Donnell*	1962-1963	Thomas E. Lezzi*	1992-1993	Ralph E. Johnson
1933-1934	Harry J. Krum*	1963-1964	Arthur F. Lehmann	1993-1994	Terry G. Soster
1934-1935	R.L. Phillips*	1964-1965	Joseph F. Lagnese, Jr.	1994-1995	Michael A. Kyle
1935-1936	Eugene B. Wagner*	1965-1966	John J. Fetch, Jr.	1995-1996	Michael D. Sassaman
1936-1937	Ralph R. Cleland*	1966-1967	James R. Harvey	1996-1997	Joseph G. Rabosky, PhD
1937-1938	Frances S. Friel*	1967-1968	H. Bruce Gerber	1997-1998	John L. Latsha
1938-1939	C.F. Grace*	1968-1969	Carmen F. Guarino	1998-1999	Carl E. Janson
1939-1940	Grant M. Olewiler*	1969-1970	George W. Keith	1999-2000	M. John Schon
1940-1941	George P. Searight*	1970-1971	William E. Sacra, Jr.	2000-2001	Steven C. Huntzinger
1941-1942	Eugene Swinehart*	1971-1972	Joseph J. Salvatorelli	2001-2002	Peter A. Orloski
1942-1943	Eugene Swinehart*	1972-1973	Victor K. Lynch	2002-2003	Gene M. Greco
1943-1944	T.S. Bogardus*	1973-1974	David A. Long*	2003-2004	Michael J. Gillespie
1944-1945	Lawson D. Matter*	1974-1975	Lewis E. Ritter	2004-2005	Christine Volkay-Hilditch
1945-1946	Lawson D. Matter*	1975-1976	Joseph L. Ferrero	2005-2006	Mark B. Hannum*
1946-1947	William J. Murdoch*	1976-1977	Ned H. Sams*	2006-2007	Yves E. Pollart
1947-1948	Norman G. Young*	1977-1978	Richard H. Suplee	2007-2008	Edward L. Gillette, Jr.
1948-1949	Charles H. Young*	1978-1979	George A. Brinsko*	2008-2009	Douglas Pike
1949-1950	John T. Campbell*	1979-1980	James J. Whitty*	2009-2010	Alison Shuler
1950-1951	Howard T. Reuning*	1980-1981	Edward H. Treat	2010-2011	Dean Miller
1951-1952	Robert M. Bolenius*	1981-1982	James G. Ryan	2011-2012	Joseph Drnach
1952-1953	Roy F. Weston*	1982-1983	Raymond F. Ravidia	2012-2013	Charles Music
1953-1954	Theodore Haseltine*	1983-1984	Michael D. Nelson	2013-2014	Arthur Auchenbach III
1954-1955	Gordon J. Wiest *	1984-1985	James P. Miller, Jr., PhD	2014-2015	Daniel B. Slagle
1955-1956	Lewis G. Gwinn	1985-1986	Thomas E. Whittle	2015-2016	Brian Book
1956-1957	George A. Elias	1986-1987	Roy B. Love	2016-2017	Larry Fair

PWEA Past Secretary/Treasurers

1927-1930	R. (Pat) O'Donnell	1974-1977	James J. Whitty*	1993-1996	Carl E. Janson
1930-1940	Lawson D. Matter	1977-1979	James G. Ryan	1996-2000	Michael J. Gillespie
1940-1955	Bernard S. Bush	1979-1982	Thomas H. Neel	2000-2005	Michael T. Hawes
1955-1964	James R. Harvey	1982-1985	Joseph Augustine, Sr.	2005-2008	Dean Miller
1965-1966	Joe Smurda	1985-1986	William F. Hill	2008-2010	Arthur W. Auchenbach III
1966-1971	David A. Long*	1986-1989	Raymond H. Myers	2010-2014	Larry Fair
1971-1974	Ned H. Sams*	1989-1993	Michael D. Sassaman	2014-2017	Scot Fertich

PWEA Past Editors

1968-1971	Ned H. Sams*	1984-1988	Robert E. Zischkau, Jr.	2006-2008	Stephanie Kardohely
1971-1975	Richard H. Suplee	1988-1991	Terry R. Fabian	2008-2010	Shannon Williams
1975-1978	Edward H. Treat	1991-1995	John L. Latsha	2010-2014	Julianne Stile
1978-1982	James P. Miller, PhD	1995-1998	Steven C. Huntzinger		
1982-1984	Roy B. Love	1998-2006	Dale C. Shope		

Federation Presidents From Pennsylvania

1928-1941	Charles A. Emerson*	1971-1972	Joseph F. Lagnese, Jr.	1992-1993	Charles A. Sorber
1946-1947	Francis S. Friel*	1980-1981	Carmen F. Guarino		

Federation Secretary/Treasurer From Pennsylvania

1928-1941 H. E. Moses*

*Deceased

FORMER RECIPIENTS OF PWEA AWARDS

* Includes award winners going back 25 years. For complete lists, visit www.pwea.org.

Ted Moses High Hat Award

1993	Stanley J. Endlich Philip E. Gerwert Carl E. Janson Edward Lee Koch Charles V. Music		Todd R. Kauffman James L. Zeigler James M. Radtke
1994	Hugh V. Archer, PhD Asa C. McCollum M. John Schon	2006	Joseph Bluge Thomas J. Brown Timothy B. Kephart John C. Mowry Jay Patel J. Michael Read William Toffey
1995	Trudy E. Johnston William E. LaPorte, Jr. Edward W. Monroe Michael R. Pollen Paul C. Zimmerman	2007	Charles Cole David Brown Mohamed Dahab Michael Schober Samuel Hadeed Twila Dixon
1996	Randall G. Hurst H. David Miller Daniel B. Slagle Margaret P. Miller Richard D. Kuchenrither	2008	Ronald Adams Michael Sedon Daniel Shinskie Adam Zabinski MaryKay Steinman Susan Boynton Cindy Rock
1997	Gene M. Greco Patricia L. Mandes Paul T. Kulp, Jr. Larry M. Fair Billy G. Turner	2009	William Weaver Robert J. Bible Scot A. Fertich Jay Witherspoon Edward L. Gillete, Jr. Stefan Weaver Kara J. Humes Dennis Mike Paul Freedman Kevin Hoffman
1998	Robin C. Brandt Michael R. Henry Michael T. Hawes Yves E. Pollart C. Dale Jacobson Albert C. Gray	2010	Robert White Patrick J. Canavan Marc Miller Terry Krause Marilyn Baron Lisa Cortazzo
1999	Paul D. Alfery Michael J. DiSantis Karen B. Tupper Samuel E. White, Jr. Rhonda E. Harris James Kern William Thompson Dean Miller Robert Reisinger James H. Clark	2011	August A. Belmont Paul Bowen Walter M. Bowen James E. Degnan Richard M. Heinick Arthur W. Auchenbach III Tina M. Myers Diane F. Altland Sandra Ralston
2000	Joseph E. Rost Diane Campbell Steven F. Hickman Christine Volkay-Hilditch Albert W. Goodman Heather S. Miller	2012	Christopher Lenton Kevin Shannon Todd Salvia Ralph Exton Rhonda Zellhart
2001	Dale C. Shope Douglas Pike John E. Schmidt Joe Stowe, Jr. Joseph D. DiMatteo	2013	Dennis Adams Dale Miller Philip Schwartz Lisa Webb Tim Williams
2002	David Milhous Maria Fricker Allison Shuler Larry Jaworski	2014	David Keshner Stephen Copeland Brian Book Eric Planey Eileen O'Neill
2003	David Seibert Thomas O'Grady William R. Nester Larry E. Craig Lynn Orphan	2015	
2004	Mark B. Hannum *	2016	
2005		2017	

2017	Jeff Cantwell Michael Mehaffey John Troutman Barrie Rohrbacher Thomas Kunetz
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Golden Manhole Society Award

2006	N. Warren Miller Joseph A Strauch
2007	Michael D. Sassaman Roger W. Lehman
2008	Robert E. Zischkau, Jr. Marc Miller
2009	John Mowry Craig S. Gaul Bruce Hulshizer
2010	Joseph Drnach Marilyn Baron William Weaver
2011	Albert Knepp
2012	August A. Belmont
2013	Jeff Cantwell Carl E. Janson Anthony Dill Matthew Peleschak
2014	Joseph Centrone Thomas Jones
2015	Melissa Smith
2016	S. Deepthi Kalyanam

Golden Raindrop Award

2013	Douglas E. Weikel
2014	Jeff Cantwell
2015	Jared Hockenberry
2016	Beth Dutton Charlotte Katzenmoyer
2017	Janet Serfass

Ted Haseltine Award

1993	Terry G. Soster
1994	John L. Krantz *
1995	Steven C. Huntzinger
1996	Edward L. Gillette, Jr.
1997	Dale C. Shope, PE
1998	Randall G. Hurst
1999	William F. Hill
2000	G. Michael Poyner
2001	Paul C. Zimmerman
2002	M. John Schon
2003	Russell Smith
2004	K. Friederich Updegraf
2005	Daniel B. Slagle
2006	James R. Kern
2007	Wayne A. Schutz
2008	Stanley Endlich
2009	Walter F. Barcz, Jr. Joseph A. Drnach
2010	Karl E. Schreiber, Jr.
2011	Steven Douglas
2012	Michael P. Sedon
2013	Michael R. Henry
2014	Michael Sassaman

FORMER RECIPIENTS OF PWEA AWARDS

2015 Trudy Johnston
Patrick Canavan
2016 Douglas Pike
2017 Thomas Brown

Meritorious Service Award

1993 Richard and
Charlotte Gillette
1994 Raymond F. and
Aileen Ravida

Yenchko Meritorious Service Award

(previously the Meritorious Service Award)

1995 Gloria Johnson
1996 Mike and
Josephine Trombola
1997 Michael and
Carole Sassaman
1998 Lynn Hill
1999 Joseph G. Rabosky, PhD
2000 Chuck and Megan Music
2001 Gene and Kathy Greco
2002 Carl E. Janson
2003 Daniel and Donna Slagle
2004 Hugh V. Archer, PhD
2005 Douglas A. Pike
2006 Mark B. Hannum *
2007 Stanley Endlich
2008 Wayne and Melanie Schutz
2009 Thomas O'Grady
2010 Maria Fricker
2011 Joseph & Sharon Drnach
2012 Larry M. Fair
2013 Marilyn H. Baron
2014 Dean Miller
2015 Joseph E. Rost
2016 Arthur Auchenbach III
2017 Michael Henry

Industrial Waste Excellence Award

1993 Charles D. Snyder & Son, Inc.
of York
1994 Taylor Packing Company, Inc.
Wyalusing Township,
Bradford County, PA
1995 Berg Electronics, Inc.
1996 Allegheny Power System
1997 AMP Incorporated's
38th Street Facility
1998 Land O'Lakes, Inc.
1999 Crown Marking
Equipment Company
2000 ARAMARK Uniform
Services
2001 Lehigh County
Pretreatment Facility
2002 Hatfield Quality
Meats, Inc.
2003 Schindler Elevator Corp.
2005 Albermarle Fine
Chemistry Services
2006 Upper Merion Municipal
Utility Authority

2007 Cargill Meat Solutions
Corporation
2008 Fairmont Dairy Belleville
2009 Pennant Foods Hazleton
Operation Wastewater
Treatment Plant
2010 Ames True Temper,
Harrisburg Plant
2011 Bayer HealthCare LLC
2012 Lehigh County Authority
Wastewater Plant, operated by
CH2M Hill
2013 Kunzler & Company
2014 East Penn Manufacturing
Company
2015 Dutchland, Inc.
2017 Chicago Rivet & Machine
Company

Roy F. Weston Award

1993 Charles A. Cole, PhD
1994 Paul W. Hess, PhD *
1995 Ronald D. Neufeld, PhD
1996 Larry H. Metzger
1997 No Award Presented
1998 No Award Presented
1999 Thomas E. Whittle
2000 No Award Presented
2001 Lawrence C. Tropea, Jr.
2002 Raymond Ravida
2003 Christine Volkay-Hilditch
2004 Paul J. McCurdy
2005 Edward H. Treat
2006 Christina (Tori) Morgan
2007 Kara J. Humes
2008 James G. Houston
2009 Robert A. Rost
2010 Judy F. Musselman
2011 Carl E. Janson
2012 Janet Serfass
2013 Stephen G. Copland
2014 H. David Miller
2015 Peter Pineda
2016 Joseph Stammers
2017 Timothy Nulton

David A. Long Memorial Educational Service Award

2001 Charles A. Cole, PhD
2002 James P. Miller, Jr., PhD
2003 Michael A. Kyle
2004 Michael A. Henry
2005 Thomas J. Brown
2006 Lewis E. Ritter
2007 Edward H. Treat
2008 Edward L. Gillette, Jr.
2009 Douglas A. Pike
2010 James R. Kern
2011 Alison J. Shuler
2012 Joseph A. Drnach
2013 David Brown
2014 David Kershner

2015 Michael D. Sassaman
2016 David Schwartz
2017 Diane Garvey

Professional Research Award

1993 James C. Young
1994 Alan F. Rozich
1995 Joseph O. Rabosky, PhD
1996 Richard G. Luthy
1997 Charles N. Haas
1998 Samuel A. McClintock
1999 George M. Wong-Chong
2000 Radisav D. Vidic
2001 Arup K. SenGupta, PhD
2002 David Dzombak
2003 Bruce E. Logan
2004 Ronald D. Neufeld, PhD
2005 Yuefeng Xie, PhD
2006 Curtis S. McDowell, PhD
2007 Jeanne VanBreisen, PhD
2008 John W. Schombert
2010 Arthur D. Kney, PhD
2011 Willie F. Harper Jr., PhD
2012 Matthew Higgins, PhD
2013 John M. Regan

Operator Research Award

1993 Francis X. Mattern*
1994 Joseph A. Drnach
1995 Samuel S. Dagen, Sr.
1996 Richard C. Chiavetta
1997 Robert L. Truman
1998 Douglas A. Pike
1999 Charles H. Moll
William M. Reigle
2000 Francis McGovern
2001 Kenneth Klinepeter
2002 Paul J. McCurdy
2003 Sophie Simon
2004 Gerald R. Middlesworth
2005 John G. Gerberich
2006 Dean Minnich
2007 Kevin Franks
2008 David Lightcap
Billy Vankirk
2010 Bernard R. Biga
2012 Wayne A. Schutz
2014 Milton Ww2E Team

Walter A. Lyon Purity of Waters Award

2007 Walter A. Lyon
2008 Peter Yeager
2009 Randall G. Hurst
2010 Michael A. Kyle
2011 Carl E. Janson
2012 James C. Brucker
2013 Edward H. Treat
2014 Michael Henry
2015 Ralph Johnson
2016 Michael D. Sassaman
2017 Christine Volkay-Hilditch

FORMER RECIPIENTS OF PWEA AWARDS

Student Research Award

1993	Christopher A. Badali Jacimaria R. Batista Subhasis Ghosal Younghul Kim	2004	Justin Medinsky Mikesh Pratap Berat Z. Haznedaroghu Joseph Goodwill Jianchang Ye	2010	Paper Presenters: Chris Kulish Hengying Yan Erin Henry Shih-Hsiang Chien Hao Tang
1994	Timothy P. O'Hara Daniel Gelman Sukayan Sengupta Masafumi Tateda Masafumi Tateda Aparna Uppal Steven N. Zeller	2005	Paul J. DeAngelo John E. Greenleaf Shannon Irvin JungRae Kim Booki Min	2010	Poster Presenters: Abby Caporuscio Oscar Vazquez Jessica Grembi Heather C. Galada
1995	Yi-Min Gao William T. Paletski Daniel Reilly Joseph Woodward Emery Yurko Curtis J. Petrosk T. Carter Hubbard	2006	Paper Presenters: Benjamin Burns Howard Butler Santosh Gunavante Lisa Steinberg Hao Tang	2011	Paper Presenters: Michael Shreve Erin Henry Monica Rothermel Arvind Murali Mohan Robert Wolford
1996	Alfred H. Adey Frank P. Battaglia Tara A. Gongiorni Bo Shi Dongye Zhao	2006	Poster Presenters: Lee Blaney Lauren Conova Melissa Devlin Houng Li Matthew Mastauskas Yi Zuo	2011	Poster Presenters: Austin Weidner & Derek Ridinger Colin McLeod & Robin Barnes-Pohjoner Brian Peacock & Andrea Mikol Loveenia Gulati Ryan Smith Nicholas Rose
1997	Jianmin Wang Paul F. Heerbrandt, III August T. Koloras Indra Mitra Hillary M. Thornton	2007	Paper Presenters: Liping Zhang Ed Spayd Hunho Kim Shashi Abburi Zhiyong Ren	2012	Paper Presenters: Shih-Hsiang Chien Danielle I. Harrow Hiroyuki Kashima Rebecca Shopiro Michael J. Shreve Hengying Yan
1998	Todd A. Thomas Sean M. Furjanic David A. Smith Arthur D. Kney Himanshu Sharma	2007	Poster Presenters: Kenneth Krach Lisa Steinberg Dharmendra Kumar Prasun Chatterjee	2012	Poster Presenters: Stacy Dorn Dane J. Kelsey Yishan Lin Austin Weidner & Derek Ridinger
1999	Terri A. Camesano Matthew J. DeMarco David K. Keun Kijung Kim William F. Nordai Andrew P. Vecellio	2008	Paper Presenters: Douglas Call Yi Zuo Caroline Newcombe Ryan Clark David Kendall RJ Sinclair	2013	Paper Presenters: Katherine Cirono & Jessica Weron Rebecca A. Citrin Chris Dempsey & Julie Napotnik Xia Luo Xuan Zheng
2000	Stephanie L. Kardohely Ping Li David Kohler	2008	Poster Presenters: Dharmendra Kumar Rachel Wagner Prasun Chatterjee Alessia Eramo	2014	Podium Presenters: Hiroyuki Kashima Andrew N. Kreider Juhi K. Parmar Jennifer Stager Maxwell J. Wallack
2000	Christopher A. Graf Jun Wu	2009	Paper Presenters: Gangadhar Andaluri Ming-Kai Hsieh Philip S. Jones Jingjie Teng Cem Unlu Yan Xu	2014	Poster Presenters: Leikune Aragaw & Emily McGonigle Dan Cannistraci Emily Crossette Daniel Gresh & Anthony Fraccica Krista Liguori
2001	Jonathan M. Deitz Sandra Traci Arthur Menghau Sung Parna Mukherjee Zhimin Qiang	2009	Poster Presenters: Michael Adelman Prasun K. Chatterjee Kim DiGiovanni Natasha Nicholson Daniel P. Treese		
2002	Prakhar Prakash Steve Puterbaugh Eunyoung Hong Bradley R. Schultz Yoa-Tung Lin	2009			
2003	You Zhou Bradley Shultz Nathan Tregger John Bendick Luis Cumbal				

FORMER RECIPIENTS OF PWEA AWARDS

- 2015 Podium Presenters:
Nick Bartek
Michael J. Shreve
Nicholas Locke
Hankai Zhu
- 2015 Poster Presenters:
Wulin Yang
Michael Ryan
Jenelle Fortunato
Lauren Strahs
Catherine Barr
- 2016 Podium Presenters:
Ozgul Calicioglu
Thomas Geeza
Jinze Li
Michael J. Shreve
Yaoli Ye
- 2016 Poster Presenters:
Adam Cadwallader
Carlos R. Fernandez Pulido
Yuxiang Shen
Boya Xiong
Connor Zingale
- 2017 Podium Presenters:
Leah Hall
Linnea Manley
Benjamin Roman
Chelsey Shepsko
Michael J. Shreve

PWEA Membership Recruitment Award

- 1992–1993 James B. Fraytic
1993–1994 Jay Oakley Coffman, Jr.
1994–1995 Cora A. Shenk
1995–1996 Douglas A. Pike
1997–1998 Samuel A. McClintock
1999–2000 Harvey Bortner
2000–2001 Douglas A. Pike
2001–2002 Samuel A. McClintock
2002–2003 Joseph Bluge &
Thomas Darby
2003–2004 Ronald D. Kelly
2005 Thomas Darby
Douglas Pike
Christine Volkay Hilditch
- 2006 Larry M. Fair
2007 M. John Schon
2008 Mark Britton
Edward Gillette, Jr.
Paul Herb
William Jones
Douglas Pike
Joseph Rost
- 2009 M. John Schon
Sophie Simon
- 2010 Joseph Rost
2011 Diane Fox
2012 Christine Volkay-Hilditch
2013 Peter Pineda
2014 Douglas Pike

Facility Safety Awards

- 1993 I. Whitpain Township
II. Springettsbury Township Wastewater Treatment Facility
- II. Borough of Chambersburg Wastewater Treatment Facility
- II. Downingtown Regional Water Pollution Control Plant
- 1994 I. Lititz Wastewater Treatment Plant
II. Warminster Township Municipal Authority
- Honorable Mentions:*
I. Nazareth Borough Municipal Authority
II. The Harrisburg Advance Wastewater Treatment Facility
- II. Borough of Chambersburg Wastewater Treatment Facility
- 1995 I. Rochester Area Joint Authority
II. Valley Forge Sewer Authority
- Honorable Mentions:*
I. Ebensburg Wastewater Treatment
I. Northern Tier Solid Waste Authority
- 1996 I. The Possum Valley Municipal Authority
II. Downingtown Regional Water Pollution Control Center
- 1997 I. The Possum Valley Municipal Authority
II. Washington-East Washington Joint Authority
- 1998 I. Borough of Middletown
II. Harrisburg Advanced Wastewater Treatment Facility
Collection System – University Area Joint Authority
- Honorable Mention:*
II. City of McKeesport Municipal Authority
- 1999 I. Unity Township Municipal Authority
II. Lehigh County Pretreatment Facility Collection System – Washington-East Washington Joint Authority
- Honorable Mention:*
I. Unity Township Municipal Authority
- 2000 I. Washington Township
II. Municipal Authority of the City of McKeesport
Collection System – Upper Montgomery Joint Authority
- Honorable Mentions:*
II. Springettsbury Township
II. University Area Joint Authority
- 2001 I. Borough of West Chester/Taylor Run WWTP
II. Hampden Township Collection System - Lehigh County Authority
- 2002 I. Lower Salford Township
II. Washington/East Washington Joint Authority
- 2003 I. Boyertown WWTP/New Eagle WWTP
II. Allegheny County Sanitary Authority Collection System – Allegheny County Sanitary Authority
- 2004 I. Possum Valley Municipal Authority
II. Carroll Township Authority
Collection System – Downingtown Area Regional Authority
- Honorable Mention:*
II. Hampden Township

FORMER RECIPIENTS OF PWEA AWARDS

- 2005 I. Borough of West Chester/Taylor Run WWTP
II. City of Harrisburg Advanced Wastewater Treatment Facility
Collection System - Spring-Benner-Walker Joint Authority
- 2006 I. Dover Township Wastewater Treatment Facility
II. The Municipal Authority of the City of McKeesport
Collection System - Washington/East Washington Joint Authority
- 2007 I. Myerstown - Elco Wastewater Treatment Facility
II. DELCORA Wastewater Treatment Facility
Collection System - Harrisburg Advanced Wastewater Treatment Facility
- 2008 I. Lititz Area Sewer Authority
II. Downingtown Regional Water Pollution Control Center
Collection System - Lancaster Area Sewer Authority
- 2009 I. Park Creek Sewage Treatment Plant - Horsham Water & Sewer Authority
II. Lehigh County Authority Wastewater Treatment Plant
Collection System - The Municipal Authority of the City of McKeesport
- 2010 I. Severn Trent Services - Ebensburg Wastewater Treatment Plant
II. City of Harrisburg Advanced Wastewater Treatment Facility
Collection System - Economy Borough Municipal Authority
- 2011 I. Borough of Grove City Wastewater Treatment Plant
II. Allegheny County Sanitary Authority (ALCOSAN)
Collection System - Allegheny County Sanitary Authority (ALCOSAN) *Honorable Mention:*
II The Delaware County Regional Water Quality Control Authority (DELCORA)
- 2012 I. Borough of West Chester, Taylor Run Wastewater Treatment Plant
II. Brush Creek Water Pollution Control Facility
Collection System - Lancaster Area Sewer Authority
- 2013 I. Northwestern Lancaster Authority WWTP, operated by Severn Trent Environmental
II. City of Reading
Collection System - Upper Providence Township
- 2014 I. Edinboro Wastewater Treatment Plant
II. Municipal Sanitary Authority of the City of New Kensington
Collection System - The Delaware County Regional Water Quality Control Authority
- 2015 I. New Oxford Municipal Authority
II. Lehigh County Authority Pretreatment Plant, operated by CH2M Hill
Collection System - Clairton Municipal Authority
- 2016 I. Western Butler County Authority
II. Lancaster Area Sewer Authority
Collection System - City of Easton Bureau of Collection Systems

- 2017 I. Fairview North Wastewater Threatment Plant
II. Kiski Valley Water Pollution Control Authority
Collection System - Lancaster Area Sewer Authority

Plant Operations and Maintenance Award <2.0 MGD

- 1993 Leetsdale Wastewater Treatment Plant
- 1994 Myerstown-Elco Wastewater Treatment Facility
- 1995 Annville Township Authority
- 1996 Palmyra Borough
- 1997 Derry Township Municipal Authority
Southwest Region Wastewater Treatment Facility
Unity Township
- 1998 County of Berks Wastewater Treatment Plant
- 1999 Lehigh County Pretreatment
- 2000 Western Butler County Authority
- 2001 Annville Township
- 2002 Limerick Township
- 2003 Chippewa Township

Mark B. Hannum Plant Operations and Maintenance Award <2.0 MGD

(formerly the Plant Operations and Maintenance Award)

- 2006 Unity Township Municipal Authority
- 2007 Borough of Sinking Spring
- 2008 Borough of Greencastle
- 2009 Lehigh County Authority Wastewater Treatment Plant
- 2010 Annville Township Wastewater Treatment Facility
- 2011 Newville Borough Water & Sewer Authority
- 2012 Warminster Municipal Authority, NAWC Plant
- 2013 Northwestern Lancaster Authority WWTP, operated by Severn Trent Environmental

Mark B. Hannum Operator of the Year <2.0 MGD

- 2014 Jerry Bakner
- 2015 Dean Miller
- 2016 Rick Spotts

Plant Operations and Maintenance Award >2.0 MGD

- 1993 Borough of Chambersburg Wastewater Treatment Facility
- 1994 Allegheny Valley Joint Sewage Authority
Warminster Township Municipal Authority
- 1995 The York City Wastewater Treatment Plant
- 1996 Upper Moreland-Hatboro Horsham Joint Sewer Authority
City of Jeannette Municipal Authority
- 1997 Easton Water Pollution Control Facility
- 1998 Exeter Township Water Quality Control Plant
- 2000 West Hills Area WPC Authority
- 2001 Upper Montgomery Joint Authority
- 2002 Lancaster Area Sewer Authority
- 2003 Dover Township
- 2004 Cranberry Township
- 2005 ALCOSAN

FORMER RECIPIENTS OF PWEA AWARDS

Mark B. Hannum Plant Operations and Maintenance Award >2.0 MGD

(formerly the Plant Operations and Maintenance Award)

- 2006 The Municipal Authority of the City of McKeesport
- 2007 City of Reading
- 2008 Clairton Municipal Authority
- 2009 Burgettstown-Smith Joint Sewerage Authority
- 2010 Ellwood City Wastewater Treatment Facility
- 2011 Borough of Chambersburg Wastewater Treatment Plant
- 2012 City of Allentown Wastewater Treatment Plant
- 2013 Exeter Township

Mark B. Hannum Operator of the Year >2.0 MGD

- 2014 Michael DiSantis
- 2015 Anthony Biese
- 2016 Larry Fair
- 2017 David Wisser

Beneficial Use of Biosolids Award

- 2003 Myerstown WWTP
- 2007 Nazareth Borough Municipal Authority
- 2010 Upper Montgomery Joint Authority
- 2011 Chalfont-New Britain Township Joint Sewer Authority
- 2012 Lititz Wastewater Treatment Plant, operated by Severn Trent Environmental Services, Inc.
- 2013 Exeter Township

Beneficial Use of Biosolids Award <5.0 MGD

- 2014 Franklin Township Municipal Sanitary Authority
- 2015 Mechanicsburg Wastewater Treatment Plant

Beneficial Use of Biosolids Award >5.0 MGD

- 2014 Lehigh County Authority Wastewater Treatment Plant
- 2017 Capital Region Water

Committee Excellence Award

- 2016 Collection Systems Committee
- 2017 Stormwater Committee

Utility Leadership Excellence Award

- 2016 Sophie Simon
- 2017 David Stewart

Public Official of the Year Award

- 2017 Paul Marchetti

FORMER RECIPIENTS OF WEF AWARDS

* Includes award winners going back 25 years. For complete lists, visit www.pwea.org.

Arthur Sidney Bedell Award

1993	Raymond H. Myers
1994	Ralph E. Johnson
1995	Terry G. Soster
1996	Michael A. Kyle
1997	Michael D. Sassaman
1998	Joseph G. Rabosky
1999	John L. Latsha
2000	Carl E. Janson
2001	M. John Schon
2002	Steven C. Huntzinger
2003	Peter A. Orloski
2005	Michael J. Gillespie
2006	Christine Volkay-Hilditch
2007	Mark B. Hannum *
2008	Yves E. Pollart
2009	Edward L. Gillette, Jr.
2010	Douglas A. Pike
2011	Alison J. Shuler
2012	Dean A. Miller
2013	Joseph A. Drnmach
2014	Arthur W. Auchenbach III
2015	Charles V. Music
2016	Daniel B. Slagle
2017	Brain Book

William D. Hatfield Award

1993	Ralph E. Johnson
1994	Joseph A. Drnmach
1995	Wayne A. Schutz
1996	Peter A. Orloski
1997	M. John Schon
1998	Steven Welsh
1999	Dean Miller
2000	Michael R. Henry
2001	E. Lee Koch
2002	William R. Nester
2003	Michael J. DiSantis
2004	Patrick J. Canavan
2005	Larry M. Fair
2006	Sophie Simon
2007	Joseph E. Rost
2008	H. David Miller
2009	David A. Brown
2010	John E. Schmidt
2011	Todd R. Kauffman
2012	Dale T. Miller
2013	Robert J. Kerchusky
2014	Diane Fox
2015	Joseph A. DiMatteo
2016	David Wisser
2017	Douglas Pike

George W. Burke, Jr. Facility Safety Award

1993	Downingtown Regional Water Pollution Control Center
1996	The Downingtown Regional Water Pollution Control Center
1997	Washington/East Washington Joint Authority
1999	Washington/East Washington Joint Authority
2000	Municipal Authority of McKeesport
2001	Borough of West Chester/ Taylor Run WWTP
2002	Lancaster Area Sewer Authority
2003	Allegheny County Sanitary Authority
2004	Downingtown Area Regional Authority
2005	City of Harrisburg Advanced Wastewater Treatment Facility
2006	The Municipal Authority of the City of McKeesport
2007	The Delaware County Regional Water Quality Control Authority
2008	Downingtown Regional Water Pollution Control Center
2009	Lehigh County Authority Wastewater Treatment Plant
2010	Severn Trent Services - Ebensburg Wastewater Treatment Plant
2011	Allegheny County Sanitary Authority (ALCOSAN)
2012	Brush Creek Water Pollution Control Facility
2013	City of Reading
2014	Municipal Sanitary Authority of the City of New Kensington
2015	Lehigh County Authority Pretreatment Plant, operated by CH2M Hill
2016	City of Easton Bureau of Collection Systems
2017	Lancaster Area Sewer Authority

Laboratory Analyst Excellence Award

1997	Patrick J. Canavan
1998	Todd R. Kauffman
1999	Gayle Mateyak
2000	Michael A. Deily
2001	Alexius Pavick
2002	Maria Fricker
2003	Albert Horng
2005	Richard D. Taylor
2006	Charleen Brown
2007	Cora Shenk
2008	Jeffrey L. Richards
2009	Marykay Steinman
2010	Michael Sedon
2011	Deborah Shockley
2012	Amy L. Morriss
2013	Glenn DeBernadi
2014	Larissa Hoover
2015	C. Eric Stoltz
2016	Genie Bausinger
2017	Sarah Yando

Federation Service Award

1985-1988	Edward H. Treat
1990-1993	James P. Miller, Jr., PhD
1991-1994	Thomas E. Whittle
1993-1996	Roy B. Love
1994-1997	Joseph A. Augustine, Sr.
1996-1999	Richard I. Gillette
1997-2000	William F. Hill
1999-2002	Robert E. Zischkau, Jr.
2002-2005	Terry G. Soster
2003-2006	John L. Latsha
2005-2008	Carl E. Janson
2006-2009	M. John Schon
2008-2011	Michael D. Sassaman
2009-2012	Michael A. Kyle
2012-2016	Dean Miller
2013-2016	Michael Kyle

FORMER RECIPIENTS OF WEF AWARDS

WEF Life Members (alphabetized)

John B. Atherholt	1948	Alan F. Hess	1965	Charles L. Ott	1960
Alfred J. Baginski	1980	Richard Hinkle	1967	Paul E. Paul	1965
Alfred E. Baily	1958	Walter E. Hoover, Jr.	1958	Edgar G. Paulson	
Eugene Barnhart	1973	Carl Janson	1975	Cecil M. Pepperman *	1946
Christian T. Beechwood	1950	Thomas E. Iezzi *	1949	Muthiah Ramanathan	1963
Louis W. Bercheni	1962	Everett M. Jones *	1934	Raymond F. Ravidia, PE	1962
Robert J. Bernauer, Sr.	1965	Stanley E. Kappe *	1927	Ralph L. Rhodes	1958
John Boardman *	1937	William D. Kee, Jr.	1967	Harold L. Rogers *	1931
Richard M. Boardman	1958	George W. Keith	1953	Ned H. Sams *	1956
William H. Boardman, Jr.	1929	Michael A. Kreiser	1973	Joseph J. Salvatorelli	1954
Robert M. Bolenius *	1938	Robert W. Kremer *	1946	E. Stuart Savage	1952
Col. G. G. Brinckerhoff	1960	Joseph L. Kruckow	1960	George C. Schaut *	1927
George A. Brinsko *	1965	Albert H. Kupiec	1968	Karl Schreiber, Jr.	1974
John A. Broscius	1959	Leslie E. Lancy, PhD	1950	John Seifarth	1961
Alfred Brosic, Jr.		John L. Latsha	1971	Robert E. Shaffer	1971
Robert A. Burns	1958	W. Harris Layton	1965	Maurice A. Shapiro	1943
Noel Chamberlin *	1928	Robert S. Leber	1977	Laurence T. Sheker	1963
Edward H. Catlin	1955	James T. Lecker	1965	Daniel Shoemaker	1966
Alfred B. Cherry	1951	Arthur L. Lehmann	1976	Christian C. Siebert *	1927
G. Lee Christensen	1964	Lawrence J. Lennon, Sr.	1975	Roland Simpson *	
Ralph R. Cleland *	1929	Robert Liljestrand	1973	William D. Sitman	1959
Charles A. Cole, PhD	1967	Dennis P. Lingenfelter	1975	Neal Sivec	1974
James W. Crooks	1976	William E. Link	1948	Peter T. Slack	1972
James Culler	1973	David L. Lounsbury	1974	Robert M. Smith	1959
Harry H. Curtin	1958	Lee Lundberg	1979	Raymond H. Snyder *	
Martin P. Daly	1968	Victor K. Lynch	1958	Vernon (Smokey) Stack	1954
H. Gilroy Damon	1970	Walter A. Lyon	1953	Nick Stratakis	
W. Allen Darby *	1929	Bernard MacCabe		Richard H. Suplee	1972
James H. Dougherty	1962	Lawson D. Matter *	1929	Thomas Switalski	1977
John P. Durr	1942	Archie McDonnell	1961	Edmund Taylor	1962
William Eberhardt	1966	Gerald M. McDonnell	1965	Anna Marie Tempero	1966
Charles Ehne	1976	Francis McMichael	1965	Jose E. Toledo	1966
Harold Elkin	1948	Fred F. Mendicino	1964	C. Joseph Touhill	1961
Frederick J. Erny *	1964	Charles R. Miller	1968	Edward H. Treat	1963
John "Jack" J. Fetch	1951	James P. Miller, Jr.	1961	K. Friederich Updegraff	1981
Theodore A. Fithian	1957	J. John Miller *	1940	Edwin B. Wagner *	
Francis V. Frissora *	1964	Francis B. Milligan *		Roy F. Weston *	1936
Everard Font	1952	Richard P. Milne	1958	William Wheeler	1953
Ronald Fricker	1962	Edward Monroe	1960	Thomas Whittle	1970
J. J. Gilbert *	1937	William J. Murdoch *		Gordon J. Wiest *	1935
Richard Gillette	1961	Charles V. Music	1979	Frank M. Williamson *	1936
Carmen F. Guarino	1960	Bryon Musser	1981	Charles E. Winsch *	1947
Lewis L. Gwin	1938	C. Kenneth Myers, PE	1961	Ivan Wittman	1966
Walter R. Hager	1950	Raymond Myers	1973	John D. Woodard *	1938
Howard P. Haines	1968	Harold Neff	1965	John Yenchko *	1940
James R. Harvey	1970	John B. Nesbitt	1949	Craig Yendell	1975
Theodore R. Haseltine *		Ronald D. Neufeld	1970	Charles H. Young *	1926
Alan F. Hassett	1977	William Nester	1978	Richard Unz	1966
Walter Heine	1959	James E. Niece	1970	Samuel I. Zack *	1932
				Robert E. Zischkau, Jr.	1975

*Deceased

Quarter Century Operator Club (alphabetized)

John C. Abromitis
James G. Armagost
Joseph A. Augustine, Sr.
Richard D. Bender
Robert J. Bernauer, Sr.
Robert M. Bolenius *
Alfred Bologna *
Harold M. Brewer
George A. Brinsko *
David Brown
Charles M. Bush *
Joseph Butch
Robert Charles
James A. Cherubini
James W. Crooks
Paul Cygan *
Samuel DeMonte
William A. Eberhardt
Frederick J. Erny *
Don Ewing *
Larry Fair
Andrew Fasnacht
David Fink
Harry M. Freeburn
John J. Fetch
Marvin W. Frankenfield, Jr.
Augustus E. (Bud) Fricker *
Ronald G. Fricker, Sr.
Matthew M. Girdich *
Richard H. Graver
Carmen F. Guarino
Howard P. Haines
Theodore R. Haseltine *
Steven F. Hickman
James M. Hovis
Richard E. Kameron
Robert Kerchusky
Floyd C. Koch III
John L. Krantz *
Paul J. Kremer, Jr.

Joe Kruckow
Harry J. Krum
Guy S. Latscha *
W. Harris Layton
Paul N. Longley *
Robert L. Lyles
Darwin B. Main
Kenneth W. Mawson, Sr.
Asa McCollum
Paul McCurdy
Dean Miller
Glenn M. Miller
Leon V. Miller *
Charles V. Music
Clair W. Murphy *
Byron A. Musser
Michael D. Nelson
William Nester
Charles Ott
B. Paul Overcash *
Douglas A. Pike
Raymond F. Ravida
William M. Reigle
Lewis E. Ritter
Harold L. Rogers
James Roman
Francis H. Sexton
Clarence R. Shade
John H. Shadle, Jr.
Edward H. Treat
Michael J. Trombola
Robert L. Truman
Frank S. Varner *
Lester L. Watson
Jay Allen Weis
Elmer H. Wertz
Larry N. Wilfong
Walter A. Wilson *
Gordon J. Wiest *
John Yenchko *
Ronald M. Young

*Deceased



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