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FALL MEETING SEPTEMBER 2018

TURNING WINE INTO WATER OCTOBER 19, 2018

www.njawwa.org
Welcome to the latest edition of Pipeline. As the newly minted Chair, let me tell you a little bit about my journey to the water industry so you have some context about the guy who gets to sign things on behalf of the Section between March 2018 and March 2019.

After graduating from Rutgers University with a degree in Civil Engineering in 1991 I was able to land a job at the New York District of the US Army Corps of Engineers working in Manhattan. Working with the Engineering Division I was able to perform such tasks as writing specifications, writing Indefinite Delivery Contracts, making blueprints (yes, actual blueprints) and perhaps most exciting, taping together and coloring massive critical path schedules of the Green Brook Flood Control Project from tractor feed dot matrix paper. The good news was our office was responsible for writing the specifications for the beach erosion control projects for northern Monmouth County. Since the New Jersey Area Office of the Army Corps needed to staff up to support the construction, I was able to transfer to the Construction Division out of Fort Monmouth and be part of the construction inspection staff. That was some tough work, spending nearly every day on the beach in the field office; we even had our own boat to go out in the ocean to monitor the progress.

When the beach work was done in the late 1990’s, the New Jersey Area Office’s focus shifted to the latest round of Base Realignment and Closure (BRAC) where Fort Monmouth was getting several new buildings and rehabilitations of existing facilities. I had a few buildings on my project list and due to a quirk in my office’s responsibilities; I was also assigned a radar dome, a fire training facility and additions to the North Star Inn at Thule Air Base, Greenland. If you have to take the flight from McGuire AFB to Greenland, I recommend you take the C-5 Galaxy. Its passenger accommodations are much nicer than the C-141 Starlifter. There’s lots of challenges to working the high arctic but one lasting memory is the feeling the first time the sunlight hits your face after spending two months in 24 hour night.

When the BRAC work at Fort Monmouth ended, it was time for a change. A friend of mine got me an interview with a Manalapan based consulting firm. So after nine years with the Feds, I moved to consulting. There I got to work in the Water Resources Department.

I spent the next nine years working on various water and sewer projects. It was in this role that I was first exposed to the New Jersey Section of the American Water Works Association. My employer was very supportive of the Section and I was able to join the Student Affairs Committee. The Student Affairs committee was growing under the direction of Lindsey Olson including scholarships and elementary poster contests. I eventually also joined the Small Systems Committee (now the Licensed Operators Committee) that was being chaired by Max Huber. They were a very active committee running the Top Ops contest, holding the New Jersey version of the Gigots and Gadgets completion and getting the Sporting Clays networking event started. Being on Student Affairs and Licensed Operators made for a busy day on Wednesday at the Conference, from Student Poster judging to Gadgets awards and then capped off by Top Ops in the evening.

It was when I became chair of the Student Affairs Committee that I was shown what the power of being a member of the Section can be. About a month before the Manalapan based consulting firm was to close their doors for good, I was at the AWWA-NJ chairs meeting. During the introductions where you tell everyone what committee you’re chair of and where you work, when it was my turn I said, “I’m Brian Carr, chair of Student Affairs. Un-affiliated.” After the meeting Chris Andreasen asked if was interested in working at Middlesex Water Company. As it turns out, during a review meeting for the Gigots and Gadgets competition with the Small Systems Committee, I had apparently made a positive impression with my review spreadsheet with the then Board liaison, Chris Andreasen. I accepted a position at Middlesex Water in 2010 and have been here ever since. Before joining the Board of Trustees in 2014 I’ve remained active on both Student Affairs and Licensed Operators.

So, that’s how I got here. For me, there is a direct connection between my happiness and my involvement in the Section. I’m living proof that being involved in the Section can have profound positive impact on your life. So consider volunteering with the Section. It worked out well for me, give us a chance to have it work out well for you too.
AWWA NJ Continues its Partnership with Jersey Water Works

Last year Jersey Water Works launched their One Water Award and asked AWWA NJ to work with them to judge the submissions and to help advertise the award. For those of you who don’t know, Jersey Water Works is a collaborative effort of many diverse organizations that are dedicated to improving water in New Jersey across all segments of the water cycle. Their efforts include waterways, combine sewer overflows, drinking water, sewage, and storm water through programs that focus on sustainability, green infrastructure and education. The goals of Jersey Water Works certainly align with the goals of the Section and the Association so agreeing to be part of their new award was not a difficult decision.

The New Jersey One Water Award honors implemented water infrastructure programs or projects that are water issues holistically. Recognition is brought to organizations who construct projects that are integrated with water resource management, feature collaboration with stakeholders, use innovative technologies or practices, have an educational component and provide long-term sustainability.

Through this award, AWWA NJ will work with the American Water Resources Association – New Jersey Section (AWRA-NJ). The Association of Environmental Authorities (AEA), Jersey Water Works (JWW) and the New Jersey Water Environment Association (NJWEA). This group will make awards in three categories.

- Public – open to local, regional and state level public entities
- Private – open to investor owned utilities and other private sector firms and institutions
- Non-Profit/Academic – open to schools and other non-profit organizations

To be eligible, your project must be located in New Jersey and have been completed within the last five years. If you have a project under construction, it’s eligible if it is at least 50% complete. Applications are available on May 1, 2018 and are due on September 30, 2018. You can get an application at www.jersey-waterworks.org/our-work/new-jersey-one-water-awards/.

Since you're a responsible water industry professional, you know the projects you design, build, and operate in New Jersey are the best integrated, most collaborative and innovative, are results driven and built for the long haul. And you know you can’t do a project of any size without having to educate the public about why it’s happening and its benefits. So why not get recognized for your hard work and put together a submission for the New Jersey One Water Award? The application may take a few minutes to assemble, but the glory could last for a lifetime.

NEW AWWA CAREER CENTER

The best water industry job website has relaunched with a user-friendly interface and new functionality!

Visit awwa.org/careers to check out some of the exciting new features.

Find your dream job awwa.org/careers
Middlesex Water Company Breaks Ground on $52 Million Western Transmission Main

ISELIN, NJ May 11, 2018 -- Middlesex Water Company broke ground recently on an underground large diameter water transmission main from the Township of Edison to the Borough of Metuchen, New Jersey.

The 42-inch diameter main is being installed to provide critical backup water supply and ensure resiliency in the Company’s water distribution system. This $52 million project, known as the Western Transmission Main, will supplement the company’s existing transmission main which serves a population of approximately 300,000 in eastern Middlesex County, NJ and help mitigate risks associated with aging infrastructure.

“We’re commencing construction of this supplementary transmission main along the western portion of our New Jersey service territory to harden our infrastructure and ensure an adequate back-up water supply to meet daily basic needs,” said Dennis Doll, Chairman, CEO and President of Middlesex Water. “The Western Transmission Main is one of several projects under our $300 million investment initiative known as Water For Tomorrow®, designed to strengthen water distribution infrastructure and ensure greater reliability, safety and service quality for current and future generations of water users,” added Doll.

Under the Western Transmission Main project, 4.5 miles of ductile iron pipe will be installed from Jersey Avenue in Metuchen to Cedar Lane in the Township in Edison.

The Company held an official groundbreaking ceremony at its Carl J. Olsen Water Treatment Plant in Edison to announce the project. The event included comments from Middlesex Water President Dennis Doll, MWC Manager of Engineering and AWWA-NJ Section Chair Brian Carr, Joseph L. Fiordaliso, President, New Jersey Board of Public Utilities, Ronald G. Rios, Director, Middlesex County Board of Chosen Freeholders and Joseph Coyle, President Edison Chamber of Commerce and concluded with the official groundbreaking.

In his remarks, Joseph L. Fiordaliso, President, BPU commented, “I commend Middlesex Water for its commitment and hard work towards the BPU’s shared goals of resiliency and sustainability for our natural resources and the commitment to a better tomorrow.”

Middlesex County Freeholder Director Ronald G. Rios said: “These investments lead to increased economic growth and productivity for our County and its businesses, increased land values and most importantly improved public and environmental health. In short, they ensure a higher quality of life for all of Middlesex County. I thank and congratulate Middlesex Water Company, its administration and staff on this project and thank them for being a steadfast partner in helping us keep Middlesex County safe and healthy.”

The Company is working with two contractors, J. Fletcher Creamer for work in Metuchen and parts of Edison north of Route 287 and PACT One, LLC for work in Edison south of Route 287. Residents that will be significantly affected by this project will receive individual notification with project details.

Information related to construction status, road closures, traffic detours and more will be available on the project website at www.WaterForTomorrowMWC.com. Residents with questions or comments may submit them on the project website or call 800-549-3802.

The Company and its engineers and contractors have been meeting with officials along the project route to discuss construction timelines, resident information, road closures, potential detours and ways to minimize inconvenience to residents during this project. The entire installation, including complete restoration of areas disturbed by construction is expected to be completed by 2020.

About Middlesex Water

Organized in 1897, Middlesex Water provides regulated and unregulated water and wastewater utility services in New Jersey, Delaware and Pennsylvania through various subsidiary companies.

This release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including, among others, our long-term strategy and expectations, the status of our acquisition program, the impact of our acquisitions, the impact of current and projected rate requests and the impact of our capital program on our environmental compliance. There are important factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements including: general economic business conditions, unfavorable weather conditions, the success of certain cost containment initiatives, changes in regulations or regulatory treatment, availability and the cost of capital, the success of growth initiatives and other factors discussed in our filings with the Securities and Exchange Commission.

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Vetted and approved by experts
Meets latest ABC Need-to-Know Criteria
Arranged by subject matter and topic for easy reference

AWWAexamprep.com
Ice, Ice Baby  By Nicole Wiley, Past Chair

The inaugural ICE (InClusion and Engagement) Challenge ended on April 30 with Team “Where’s My Water Swampy?” running away with the win. The ICE Challenge was kicked off in December 2017 with 10 teams competing to see who could complete the most missions and go down in history as the first ever winners. The missions ranged from answering relatively simple trivia questions to taking pictures in front of water industry features like tanks and treatment plants to making videos about the value of water. Two of our most fearless teams even put together synchronized swimming routines for a ton of bonus points! If you get the opportunity, search for #ICEAWWANJ on Twitter or look through our Section Facebook page posts to see some of the creative and sometimes hilarious pictures and videos put together by the teams.

The point of the challenge was to have fun together and get new people engaged with our Section. One of the rules of the challenge was that each team had to have at least one member that joined the Association within the last two years. With 10 teams competing, that means we had at least 10 of our newer members involved and engaged as part of the competition. In addition, mission points were awarded for every new member recruited by a team member and, as a result, we got 27 new members in our Section. Another mission awarded points to any team member who joined a committee and we got new 3 committee members out of it. In terms of getting new people involved and engaged, I’d say that these numbers indicate that the ICE Challenge was a success.

The ICE Challenge culminated at the Drinking Water Week event held on May 10 at Top Golf in Edison. ICE Challenge competitors were given a discount to attend the event and the winners were awarded a cash prize for coming out on top. We hope to continue with the ICE Challenge in the upcoming year and we hope to have bigger and better missions with more teams and Section members competing. I know I had a lot of fun competing this year and I’m determined to not allow “Where’s My Water Swampy?” to repeat!
At the Annual Conference the Hal Florence Meritorious Operator’s Award was presented to William J. Mitchell, Jr., formerly of Trenton Water Works and currently with CME Associates. During the presentation a few of the following citations were cited from the nomination:

- He holds a Bachelor of Science, Drexel University Philadelphia PA, Major: Civil Engineering; Bachelor of Science, College of New Jersey, Trenton, NJ, Major: Biology, Minors: Chemistry and Psychology
- He holds the following licenses: NJ DEP T4, W4; PA A-1 Water Treatment; PE in NJ
- With the limited resources available to him at TWW, he devoted extra time to his career everyday whether it be answering questions from staff, management, construction project managers or consultants. Bill is not a stranger to jumping in and helping anyone who asks for help or asks a question. Because of the limited resources, he saw that to properly run the operation, some tasks had to be outsourced. To that need, he wrote various contract specifications and requests for proposals for the work to be outsourced and saw the contracts from bid receipt through to award; and once the contracts were awarded, he oversaw each of them.
- He played a key role in the Capital Improvement Program for the Water Treatment facilities of the Trenton Water Works. He was involved in various projects including, but not limited to, the Mechanical Dewater Facility Construction Project, Filter Upgrade and Laboratory Upgrade Project, Booster Number 3 Pumping Station Upgrade Project, Central Pumping Station Upgrade Project, White Horse Elevated Tank Upgrade Project, and SCADA System Upgrade projects.
- He has served on various Section Committees for many years. Most notably, he is a long-standing member of the Education and Professional Development Committee, where he also served as Chair. He played an instrumental role in the development of the three-day Operator Review Class that is held each year at Rutgers/NJAES Office of Continuing Education.

In closing, the recipient of this award was nominated because of his efforts to professionally manage operations at TWW, and his dedication to the water industry and to operators through his work at AWWA NJ, RU Operator Training Courses, and his involvement in the Advisory Board. Congratulations, William J. Mitchell, Jr.
Planning is well underway for the 2018 Fall Meeting & Golf Outing, which will take place on September 18th this year, at Jumping Brook Golf Club in Neptune, NJ.

The Technical Program Committee has developed a great lineup of presentations that will be offered that day, allowing operators that need any last-minute renewal hours for their licenses to earn up to 5 TCHs. For those that are interested, you’ll have the option to play golf in the afternoon, and enjoy a casual dinner afterward.

The morning technical session this year will feature presentations on the Water Quality Accountability Act and Asset Management Tools, including:

- Overview of the WQAA and Implementation Status
- Development and Implementation of Valve and Hydrant Inspection Program
- Optimizing Plant Infrastructure: A Formalized Asset Management Approach to Long-Term Capital Planning
- Applying GIS and Business Intelligence Technology to Support Asset Management and Utility Operations
- Incorporating Cybersecurity into Water Utility Master Planning
- Unregulated Contaminants Rule Update
- Advantages of Ion Exchange for PFAS Removal from Drinking Water
- PFAS Treatment with GAC: Performance, Reactivation & Economics
- Emerging Contaminants: A Utility Experience
- Lead and Copper Rule Update
- Managing LCR Compliance with Consecutive Systems
- Ethical Obligations for Professional Engineers

After lunch, those that are not golfing can attend sessions on Emerging Contaminants and Lead & Copper Control, and Ethics:

- Emerging Contaminants: A Utility Experience
- Lead and Copper Rule Update
- Managing LCR Compliance with Consecutive Systems
- Ethical Obligations for Professional Engineers

Registration will be open on or before August 15th, so mark your calendars and get signed up for this year’s event!
2018 George Warren Fuller Award Recipient

**Stephen R. Blankenship**
Executive Director/Chief Engineer of the Hamilton Township MUA

Stephen R. Blankenship receives NJ George Warren Fuller Award from AWWA CEO David LaFrance and AWWA President Brenda Lennox

The Citation reads:
“For his exceptional, extraordinary and unending support for the advancement of the water supply profession through the education, training and gathering of technical and professional talent at the Section, Association, State and Local levels.”

Stephen R. Blankenship, Executive Director/Chief Engineer of the Hamilton Township MUA is the Section’s 2018 George Warren Fuller Award Recipient.

We present the George Warren Fuller Award annually to a member of our Section 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.

George Warren Fuller was first of all a capable engineer, equipped with a mind that never closed a channel to new ideas. He was an inventive technician--first in the laboratory field, later in engineering and design. He was a skilled negotiator, a public relations counsel who never called himself one, but who by such skill persuaded reluctant officials that they were very wise and right to authorize sanitary improvements. He was a loyal citizen who found himself able and willing to render service to his country during World War I. He was able to give an ear to the ideas and aspirations of younger practitioners in the field and to inspire in them some measure of the spirit of leadership that he possessed. He believed in the organization and assembly of technical and professional men and devoted himself fully to the advancement of their associations and societies to the end that they serve better through planned action and cooperation.

George Warren Fuller gave freely of his time and energy to the advancement of his chosen profession through participation in the activities of technical societies and through educational activities. Our selection this year has embodied this example throughout his professional career.

About Stephen R. Blankenship:

Our selection has come to us with a Bachelor of Civil Engineering degree from Rutgers University.

Like George Warren Fuller, he is well travelled. Before finding his way into the path that lead him to this award, he spent time working in the deep south and the Pacific Northwest. He spent time in the nuclear power industry and also working for the Veterans Administration.

Outside of his professional career, his favorite things in life are golf, his grandchild and appetizers – not necessarily in that order of preference.

Stephen has given freely of his time and talents. He is an active member of AWWA but is also active with the South Jersey Water Professionals, the Water Environment Association, the New Jersey Association of Environmental Authorities, and he is a member of the New Jersey Water Supply Advisory Council. He is an instructor for licensed operators – both water and wastewater. He is a Professional Engineer in New Jersey, Delaware and Pennsylvania. He holds five operator’s licenses in water and wastewater. He is a Certified Municipal Engineer and also holds a Professional Planner license in New Jersey. He has been an active member of the NJ Section through its committees and leadership positions including Technical Program Committee and the Infrastructure Management Committee, he has served as a Trustee of the Section and as Section Chair and Past Chair. He currently serves as the AWWA Director for the Section and he is a serving Vice President of the Association.
Discover new ways
to get your Section involved with Community Engineering Corps

Engage Volunteers
Communicate
Start talking about the CECorps program.

Cooperate
Form a committee of interested volunteers.

Brainstorm
Identify your next steps.

Build Relationships
Support
Work with the community to complete a community project application.

Research
Find Open Projects listed on the CECorps website.

Recruit
Build an all-star project team of Section members with the appropriate experience.

Collaborate
Complete a project team application and get to work with a community!

Responds to Needs
Connect
Work with local organizations or your state primacy agency to reach out to communities in need.

Make an Impact!

www.communityengineeringcorps.org
Contact: Lindsey Geiger (lgeiger@awwa.org)
Conference Awards Wrap-Up  By Stacy Cacallori Section Administrator

Along with the many technical presentations, social events, and networking, the Conference is a time to celebrate individuals and groups whose leadership, enthusiasm, and hard work for the water industry, Section and Association have singled them out for recognition. At the Conference we recognize these individuals by presenting the following awards:

- **Best Tasting Water** – The Maple Shade Water Company was selected among those water samples entered as the best tasting water!
- **The Student Poster Competition** is divided into Graduate and Undergraduate Level. Of those submitted, the following is a list of the awardees:
  - **Graduate Level**
    - 1st Prize: Multifunctional Reactive Electrochemical Membranes (REM) for Emerging Contaminant Removal, by Likun Hua, New Jersey Institute of Technology
    - 2nd Prize: Influences of Air, Oxygen, Nitrogen, and Carbon Dioxide Nanobubbles on Seeds Germination and Plants, Xiaonan Shi, New Jersey Institute of Technology
  - **Undergraduate Level**
    - 1st Prize: RU Filtered, Jorge Liviapoma, Jane Peterken, Kate Lorusso, Michelle Toh, Jill Park, Rutgers University
    - 2nd Prize: Aqua Drum-Water Filter Design, Dorota Has, Chris Antony, Matt O’Dowd, Ayah Sukkar, Rutgers University
- **The Next Generation Award** was presented to Brian Van Nortwick for displaying distinctive leadership and meritorious services in each of the following areas: service, good fellowship and participation. As a note, the awardee must be 35 or under.
- **The Hal Florence Meritorious Operator Award** was presented to William J Mitchell, Jr., PE. for bringing a higher degree of excellence, learning, initiative and resourcefulness to bear in the operation of public water supply.
- **The Thomas J. Dawson Dedication Award** was awarded to Ronald M. Von Autenried for demonstrating outstanding service and dedication to the Association through leadership and active participation in AWWA NJ programs, through displaying distinctive leadership and meritorious services to the Association in each of the following areas: service, good fellowship and participation.
- **The John Lechner Award of Excellence** was presented to Andrew W. Clauhs for demonstrating exemplary service to the drinking water community and to AWWA’s mission and goals.
- **The Fresh Ideas Award** was presented to Michael Assante. His presentation **Online Water Quality Event Detection and Actions** was selected from among the other Young Professional Presentations.
- **The George Warren Full Award** was presented to Stephen R. Blankenship for his distinguished service in the water supply field and in commemoration of the sound engineering skill

Congratulations to all our Awardees! And Thank You for your service to AWWA NJ.

For information on many of these awards, please visit our website at [www.njawwa.org](http://www.njawwa.org).

Ronald M. Von Autenried receives Thomas J. Dawson Dedication award from Joseph Stanley

Andrew W. Clauhs receives the John Lechner Award of Excellence from Nicole Wiley and Jeff Zdrojewski
This year’s Annual Conference, held March 20-23 at The Borgata Hotel Casino & Spa was another resounding success and an opportunity for technical education, career and business opportunities, networking, fun, friendship and knowledge sharing for the more than 800 attendees that came down to Atlantic City for the event. Highlights from the week included such things as the opening Technical Session on “Water System Optimization,” and two subsequent days of top-notch, multi-track technical sessions; an exhibit hall filled with more than 100 vendors sharing the latest in equipment, software and other products and services for the water industry; plus more – including a special educational session for college students, “Meet the Boss” Luncheon, undergraduate and graduate student poster sessions, free professional headshots for attendees, presentation of awards and honors, and much more!

Mark your calendar for 2019
84th Annual AWWA NJ Conference
March 19 – 22, 2019
The Borgata Hotel Casino & Spa
Atlantic City, NJ

The Section rolled out a new streamlined on-site registration system called Badge-on-Demand

Young Professionals Committee Chair Brian Van Nortwick and colleague Michael DePierro

(l-r): Alex Wells, Brian Applegate, Sophia Heng

AWWA NJ’s “women in water” pose with the latest Section novelty gear

Nicole Wiley presents the Utility Project of the Year Award to Middlesex Water

Outgoing Chair Nicole Wiley hands the gavel to incoming Chair Brian Carr
**Trenton Thunder**

**WATER FOR PEOPLE**

**FAMILY NIGHT @ THE BALLPARK**

**Friday, July 27 @ 7:00PM**

- **Trenton Thunder**
  - AA Affiliate of the New York Yankees
- **Portland Sea Dogs**
  - AA Affiliate of the Boston Red Sox

**A PORTION OF THE PROCEEDS WILL BENEFIT WATER FOR PEOPLE!**

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*Please make checks payable to AWWA NJ with “Water for People” in the memo field.*

[www.njawwa.org/event/wfp_familynight18](http://www.njawwa.org/event/wfp_familynight18)

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**TOTAL ENCLOSED: $__________**

**water for people**

For more information, contact Laura Forte at 856-255-2038 or [laura.forte@amwater.com](mailto:laura.forte@amwater.com)
Board of Examiners Adopts Guidance on Experience, Time, DRC  
By Oleg Kostin, Board of Examiners, Member

At the Board of Examiners for Water and Wastewater Operators’ meeting on February 22, 2018 the Board of Examiners adopted, upon an unanimous affirmative vote, Guidance for reviewing applications by operators to sit for Licensed Operator Examinations. This was first introduced and opened for discussion/comments to Board members in August and September of 2017. The purpose was to develop uniform review criteria for use by Board members when reviewing applications for examinations. This criteria should be used by the Licensed Operator of Record when signing (endorsing) the Statement of Qualifications (SOQ) for any examination applicant.

**Issue:** There was a need for guidance to develop a uniform set of criteria when reviewing applicant experience for acceptance to sit for license examinations, for both in-state residents and out-of-state applicants and those seeking licensure through reciprocity. The underlying basis is that all licenses are portable and higher level licenses are expected to deal with a broad set of situations/circumstances. A licensee may currently be responsible for a facility or system as a shift operator or as a supervisor but someday may aspire to become a superintendent/manager or operator of record. Experience for the various levels of licenses must be broad enough to encompass operations and process control decisions in day to day as well as emergent situations.

**Experience:** Experience should be facility or system wide. Experience in only one unit process, portion of a treatment/process unit, or laboratory operations is not sufficient. As an example, if the applicant’s experience is solely in individual specific areas such as sludge dewatering, head works, laboratory analysis, sedimentation, filtration or strictly maintenance activities it is not considered broad enough. An engineer or technician performing I & I investigations, TV inspections, cleaning and applying cement coatings to mains, pulling/installing a well casing and/or pump will not be considered sufficient operational experience. It is understood that operators, in their normal course of duties, perform maintenance and laboratory analysis and as such those activities will summarily be accepted towards meeting the experiential requirement. It is when the experience is exclusive to one area, as noted above, that the experience is insufficiently broad enough to provide the portability that a license provides and imparts on the holder.

**Time:** If applying for multiple licenses at the same time, sufficient time is necessary in each class i.e. S and C or T and W. As guidance, it is recognized there is cross training and hands on experience that crosses over between disciplines. For example; If an operator wishes to sit for both a C and S 1 or a T and W 1 or any license combination and has just the minimum one year’s experience, it is not considered sufficient time to cross over both areas. An additional 6-12 months would be required to cover the experiential requirement for both license classifications. Instances of higher class license applications, where responsibilities may be split between different license classifications, would require addition time (30% minimum) when applying for acceptance to multiple license category examinations.

**Direct Responsible Charge (DRC):** For upper level licenses (level 3 and 4) the holding of a license for a period of time in of itself is not DRC. The license holder must demonstrate some measure of supervision or responsibility directing, coordinating and planning work and personnel. This could be as a shift manger, team, crew or area leader, a job or project leader. Typical duties for these positions would include ordering parts and equipment, planning/organizing manpower for repairs/installation as well as coordination with vendors, suppliers and local authorities. The authority to make process or operational changes or the ability and responsibility to make the recommendation for such changes to the Licensed Operator. Preparing written reports, data analysis, and correspondence for review or action by others.

**Education:** It has been clear that engineering and engineering technology degrees, biology, chemistry and environmental science degrees have long been accepted to reduce the experiential time required to be garnered before applying for advancement to higher level licenses. Often we have applicants with other bachelor degrees seeking to be accepted with similarly reduced time requirements. For those applicants to be considered for reduced time requirements the following minimum required class work is considered compulsory: 2 semesters of general biology w/lab, 2 semesters of general chemistry w/lab, 8 semesters of other science/engineering courses of which at least 4 must have a lab, 2 semesters of college level math - algebra and trig or higher, 1-2 semesters of physics.
Water for People  By Chelsea Simkins

On Tuesday, March 20, 2018 the American Water Works Association – New Jersey Section’s (AWWA NJ) Water For People Committee presented a check in the amount of $165,486 for funds raised for Water For People during 2017. The check was presented by incoming Committee Chair Erika Vardaxis of Federici & Akin P.A. Consulting Engineers to outgoing AWWA NJ Section Chair Nicole Wiley of New Jersey American Water at the 83rd Annual AWWA NJ Conference in Atlantic City, NJ. This is the largest check that the Water For People Committee has presented in the Committee’s 17 year history.

Also at the Annual Conference, the Kenneth J. Miller Founders Award was presented to Samantha Liccketto of Municipal Maintenance Co. for her volunteer work and dedication to Water For People. Samantha has been active in the committee since 2014 and has organized the “Drop in the Bucket” event for the past three years, helping raise more than $20,000 for Water For People.

Finally, the Committee recognized the hard work and dedication of outgoing Chair Nicholas DeVecchis. During DeVecchis’ two year leadership role, more than $294,785 was raised for Water For People, the largest amount raised in the Committee’s seventeen year history. With his tenure over, DeVecchis passes the Chairmanship to Erika Vardaxis, of Federici & Akin P.A. Consulting Engineers, who has set a goal for the Committee to raise $125,000 in 2018.

The 4th Annual Water For People Dine and Dance raised over $26,000 for Water For People on February 23, 2018. The evening included a five course meal with live music and dancing. This very successful event is organized by Michael Bange of New Jersey American Water.

On May 7, 2018, the Water For People Committee held the Water For People Golf Classic at Royce Brook Golf Club in Hillsborough, New Jersey. Competing with a few other events during the same week, the Golf Class still had a success turn out and raised over $27,000 for Water For People. This could not have happened without the hard work and dedication of over a dozen Committee volunteers who helped organize the event.

A huge thank you to all the sponsors, supporters and attendees that have supported Water For People so far this year.

The Committee’s next fundraising event will be the 2018 Family Night at the Ballpark held on Friday, July 27th at Trenton Thunder’s Arm and Hammer Park. Game tickets are available for sale through the Water For People Committee with a portion of the proceeds going to Water For People. Sponsorships are also available and 50/50 tickets will be sold throughout the stadium. To register, visit: www.njawwa.org/event/wfp_familynight18. Please contact Laura Forte, Laura.Forte@amwater.com, of New Jersey American Water for more details.

Please Save the Date for the 13th Annual “Turning Wine into Water” Event to be held on October 19, 2018. This wonderful evening of delicious food and wine will be held once again at Laurita Winery in New Egypt, New Jersey. Look for the event brochure, registration and sponsorship levels within the coming months.

Water For People (WFP) is a nonprofit organization that exists to promote the development of high quality drinking water and sanitation services, accessible to all, and sustained by strong communities, businesses, and governments. Water For People has provided safe water and sanitation for 4 million people in 9 countries since its establishment in 1991. The Water For People Committee is always looking for new members to assist with planning events and raising awareness of the mission of Water For People. If you are interested in volunteering or finding out more about these events, please contact Erika Vardaxis at Erika.Vardaxis@gmail.com.

For more information about AWWA NJ, please visit our website: www.njawwa.org or email Mona Cavalcoli, Section Manager, at mona@njawwa.org.

Chelsea Simkins is the External Affairs Manager at New Jersey American Water.
WQTC 2018
REGISTER TODAY!
Toronto, Ontario, Canada
CONFERENCE
NOVEMBER 11-15
EXPOSITION
NOVEMBER 11-13
awwa.org/wqtc
awwa.org/wqtc
Drinking Water Week took place from May 6th to May 12th this year. The Student Affairs Committee held its annual Elementary Student Poster Contest with the theme of “Protect the Source”. Students from all over New Jersey submitted colorful and interesting hand-drawn posters. The creators of the winning posters each received a $25 gift card, along with two honorary mentions each receiving $10 gift cards. In addition, the top participating classes (Tuscan Elementary School and Assumption Regional Catholic School) each received pizza parties and a water-related classroom presentation. Youssef Al Fahham and Charles Maggio visited the winning classes from Tuscan Elementary School in Maplewood, where they gave a water-related presentation titled “Water Distribution 101”, followed by a water siphon experiment and a hands-on water tank building activity. The students were challenged to build a water tank while coming up with a water utility name, and they got really creative! Brandon Goldfine visited the winning class from Assumption Regional Catholic School in Galloway, where he gave a presentation covering the fundamentals of construction, his company’s services, and he also demonstrated a water siphon. After his presentation, the students competed in the marshmallow challenge and impressed him and their teachers with clever designs.

The Student Affairs Committee

The Student Affairs Committee is proud to sponsor three annual scholarships. In an effort to combat the cost of tuition, and to promote interest in the field of Drinking Water, these scholarships are awarded to very qualified individuals who are currently enrolled in or entering college. The scholarships are worth $5,000, which is distributed over the course of two years in separate $2,500 installments. The second installment is available to students who submit evidence of their continued pursuit toward a drinking water associated career.

Tracey Liberi was an active AWWA member and a professional engineer at SUEZ Water for over 20 years. Tracey was especially dedicated to encouraging young women to work in the water industry and to pursue engineering as a career. This year two scholarships were awarded in Tracey’s name.

- **Cassandra Ferrera**, a sophomore, studying in the honors college at New Jersey Institute of Technology. Cassandra is majoring in Civil Engineering, with a minor in Chemistry.
- **Junkui Chui**, a Ph.D. candidate at Montclair State University studying Environmental Management. In May 2017, Junkui’s work relates to ferrate(VI) being used in the production of potable water from sewage polluted stream water.

The Family Drinking Water Careers Scholarship – awarded to children of Section members who are pursuing their education at an undergraduate, graduate or other vocational/technical school – was awarded to **Brett Clauhs**, whose father, Andy Clauhs, works for Mueller Company. At the time of application, Brett had not decided which college or university he would attend in the fall. We wish Brett the best of luck following his father into the Drinking Water industry.

Students from local schools celebrate drinking water week
Our Spotlight Member for March is Giselle Diaz! We all know her as Gigi! Many of you will recognize Gigi as she has been a fixture at the Registration Desk for the Section Conference for many years. When she is not attending sessions, you will see her at the desk helping our members. And, for many years she has graciously volunteered to staff the desk after normal hours on Tuesday so that those attending the Meet and Greet can pick up their badges!

Gigi has been a member of AWWA since 2000. She is a Licensed Professional Engineer in New Jersey and New York and is currently the Head of the Water/Wastewater Department for Boswell Engineering, where she has been employed since 1996.

Gigi has been active in the section since she's has been a member. She has served on various committees including Recognition, Infrastructure Management, Registration, and Membership. She has been Chair of the Membership Committee and she is currently the Chair of the Recognition Committee.

Why did you decide to go into the field of water?

I graduated with a Bachelor of Engineering in Environmental Engineering. One of my teachers for Senior Design was Russell Ford, who introduced us to the water/wastewater field. It definitely left an impression on me and when an opening came up at my firm to move into the water/wastewater division, I jumped at the opportunity.

How did you become a volunteer for AWWA? What motivates you to be active in the Section?

My supervisor thought it would be beneficial to join AWWA. Once I became a member, Nicole Wiley encouraged me to get involved and volunteer on the membership and registration committees. My biggest motivation is the sense of community and level of support from the wealth of valuable resources in the Section. Since I became involved, everyone has been so willing to help both for the success of each committee and throughout my professional career. Any time I have a technical question, I know I have this large network of people I can reach out to. Another benefit of being on the registration committee is getting to know our members as they check-in at the annual conference. (And sing the “Good Morning” song).

How long have you been an AWWA member and what have you gotten from your membership?

I have been a member for 18 years. I feel I am a stronger asset to the water industry and my clients because of my membership. The technical seminars keep me updated with all upcoming State and Federal regulations and new technologies. From a personal standpoint, AWWA has introduced me to many members that are not only colleagues but have become great friends.

What are your hobbies and outside interests?

My hobbies are traveling, going down the shore and watching my daughters play basketball and softball.

What legacy would you like to leave behind?

I would love my legacy to be that I made a difference in the communities I work with to ensure the continued delivery of clean and safe drinking water. It makes me proud to tell my daughters that our industry is essential for the well being of so many people.

March 2018

(continued on next page)
SPOTLIGHT ON OUR MEMBERS (continued)

Kevin Watsey

Our April Spotlight Member is Kevin Watsey. Kevin is the Vice President of Government Affairs at NJ American Water. Kevin has been a member since 2008 and has volunteered his time working with the WFP, Water Utility Council, and served as Chair of the Public Information Committee. He also served on the Board of Trustees of the Section from 2011-2014.

Why did you decide to go into the field of water?
I did not actively choose the water industry, I applied for and was offered a job with NJ American Water in 2006. While I was not seeking a job in water, I cannot imagine working in any other field. Over the last 12 years, I have had the privilege of working with some of the smartest, most dedicated, and underappreciated professionals in the state.

How did you become a volunteer for AWWA? What motivates you to be active in the Section?
A gentleman named David Legg, who retired from NJ American Water after more than 30 years with the company told me to join AWWA NJ. After attending my first conference, Laura Cummings and Carol Storms recruited me to Chair the Public Information Committee. In my time as chair, our committee helped organize Water Day at the Statehouse, sent press releases on various Section activities and placed a Section billboard on the Garden State Parkway. The billboard is still in place below the Union water sphere at exit 139.

My motivation to stay active is simple, I like the people. Whether, public or private, big system or small, water professionals are good people who share a common goal. I enjoy talking with the folks who have been around for decades and I learn something every time I attend a meeting or the conference.

How long have you been an AWWA member and what have you gotten from your membership?
This year marks my 10th year as a member of AWWA NJ. In Government Affairs, part of my job is building up resources, knowing who to call, and building coalitions to promote mutual interests. Being a member of AWWA has allowed me to greatly expand my professional universe and has allowed me to work with other members to change the industry for the better.

I have also been fortunate enough to represent the section at national meetings around the country and during fly-ins to Capitol Hill. Hearing the successes of other Sections allowed me to be a better Trustee.

Hobbies and outside interests?
My life outside of work consists of golf, cooking, and family, that’s it. When I am not working, I am with my family, cooking for my family, or golfing. It may sound boring, but it’s all I need.

What legacy would you like to leave behind?
When I am ready to retire, which won’t be for another 20-30 years, I hope people will say that I was good at what I did, that I was an honest person to work with, and that I had a substantive and positive impact on the water industry through legislative and regulatory change. I am very proud to have worked very closely on three pieces of water-related legislation that have been signed into law, including the Water Infrastructure Protection Act and the Water Quality Accountability Act. As a Government Affairs professional, there is no greater thrill than to work on legislation that becomes law.

April 2018

(continued on next page)
We are pleased to introduce Michael Stephens – AWWA NJ May's Spotlight Member! Congratulations Mike. Mike is a Superintendent at Aqua New Jersey. He holds NJ T-4, W-4, C-4, N-3 and S-2 Operator Licenses. He has been a member of AWWA since 1991.

Mike will tell you that his career started in the eleventh grade at Lansdown-Alden High School, Lansdown PA. His chemistry and environmental science teachers encouraged him to pursue science which was one of his strengths. So, he followed the environmental science path into the U.S. Air Force by becoming an Environmental Support Specialist (E-5 Staff Sergeant) water and wastewater operations/maintenance. He received an honorable discharge after 7 years of service. Mike has also worked for the U.S. Department of Defense, the City of Camden NJ, United Water Co. and currently Aqua New Jersey over the last 31 years.

Mike has been active in our Section and working with operators. He’s been part of the Three Day Operator Review class that is held in September of each year at Rutgers University Office of Continuing Professional Education and he has spoken at the Conference on a number of occasions. Mike has been an instructor responsible for teaching the introduction to Water and/or Wastewater, Advanced Water Treatment Part 1 & 2, and Advanced Wastewater Collections Systems classes over the last ten years for Rowan at Gloucester County College, Gloucester Vo-Tech, and Camden County Vo-Tech.

Mike has been active in a number of committees – The Licensed Operator Committee, the Education Committee and he is part of the NJ Domestic Security Preparedness Task Force – Water Wastewater Sector Security Working Group.

Mike was asked questions about his enthusiasm for the field of water and his AWWA NJ Section involvement. Here are his replies:

**Why did you decide to go into the field of water?**

My parents always moved me to do my absolute best in life no matter what career path I would choose. In high school my teachers encouraged me to select a career that brings out my joy and I wanted something that I could share with others.

**How did you become a volunteer for AWWA?**

What motivates you to be active in the Section? I want to always help out where and when I can. I found that I could do that at AWWA NJ.

**Hobbies and outside interests?**

I appreciate being with family, friend and coworkers, eating, enjoying a good meal. I also enjoy watching football and basketball even thought I can't play anymore. My hobby is enjoying everything about two channel stereo systems and the music it recreates for the listener.

**What legacy would you like to leave behind?**

It appears that I will more than likely retire in about 5 or 6 years. So, I would hope that I have imparted the joy/zeal for protecting the environment, our customer/communities and teaching operations/maintenance on everyone I have met.

May 2018
Get More Involved! **Volunteer Opportunities**  

By Mona Cavalcoli

There are ways that you can get more value from your membership in AWWA. Becoming an actively engaged member of the Section and the Association is a rewarding experience that can increase your network of professional colleagues, open doors for new leadership opportunities, and grow your career, knowledge and professionalism. There are several ways that you might consider getting involved!

**Become an active Committee member at the Section level**  
The AWWA NJ Section has more than a dozen active committees. These range from committees that are active year-round, such as our Member Engagement Committee, Technical Program Committee, Research Committee, or Licensed Operators Committee – to committees whose activities focus around certain milestones like our Conference Registration Committee, or Publications Committee. Whatever your interests, or your availability, committee involvement is a great way to take a first step to becoming more involved.

If you are interested in joining a committee, contact Stacy Cacallori at stacy@njawwa.org or visit our website, and browse our committees by going to Section | Our Committees.

**Assistant Secretary-Treasurer**  
AWWA NJ currently has an opening for Assistant Secretary-Treasurer. This is a non-voting position on the Board of Trustees, and an opportunity for a member who would like to be involved in Section leadership and activities. The Assistant Secretary-Treasurer is asked to attend monthly Board of Trustees Meetings, and work with the current Secretary-Treasurer and Section Staff to do such things as: updating the section’s calendar on the website, checking mail or making deposits, assisting with annual records and retention policy and document review, and organizing documents for the annual audit. It’s not an automatic advancement, but Assistant Secretary-Treasurers often move up to take on the full Secretary-Treasurer role when transition times come.

**Section Trustee**  
If you’ve been active already, but are ready to take your involvement to a new level, you might consider becoming a Trustee on the Section Board of Directors. Trustee is a substantial volunteer leadership role. Trustees are voting members of the Board of Trustees. The term of office for a Trustee is three (3) years.

The Board of Trustees sets the policies and direction of the Section. All Board members are expected to promote the objectives of the Association and the Section, and to actively strive for the advancement of the Section.

Trustees attend monthly Board of Trustees Meetings, and serve as liaisons to at least one Committee during each year of their term as Trustee. Trustees prepare and submit liaison reports and serve as the link between the Board and the Section’s Committees.

Trustees are encouraged to attend a variety of Section events and support the activities of Section Committees. This is a rewarding opportunity for an AWWA NJ Member in good standing and who would like to help shape the success and future of the Section.

Anyone interested in the Trustee Position should contact Past Chair Nicole Wiley at Nicole.wiley@amwater.com.

**Section Director**  
Every three years, the Section elects a Director, who serves as a liaison between the Section and the Association’s Board. The Director is voting member of both the Section’s and Association’s Board. To be eligible for this position, you must be an active AWWA member in good standing and have served as a Section Chair. Directors serve a term of three years, and may also then be eligible to serve as an AWWA Vice President or Presidential Officer.

AWWA NJ’s current Director, Steve Blankenship (who is also an AWWA Vice President) will end his term in June 2019.

**AWWA Director-at-Large**  
This a position on the ASSOCIATION Board (not the Section Board); however, nominations must go through the Section. The AWWA Board is made up of representatives from AWWA Sections and Councils – as well as three (3) “Directors-at-Large.” The purpose of the Director-at-Large position on the AWWA Board is to represent the broad diversity of leadership within the drinking water profession, and to give an opportunity to serve on the AWWA Board to those who may not have the option of serving in this capacity through traditional channels.

Director-at-Large is open to AWWA Members in good standing and who would like to help shape the success and future of AWWA. While there are no other specific criteria, candidates that are active at the Section level, or on other Association level councils or committees may be given preference. This is a very competitive position, as there are only three Directors-at-Large on the AWWA Board, and only one of the positions may be open at any given time.

Currently, New Jersey Section member Lindsey Olson is serving as a Director-at-Large; however, her term will end in June 2019. If you are interested in learning more about the Director-at-Large opportunity, please contact Mona Cavalcoli (mona@njawwa.org) NO LATER THAN September 15, 2018.
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Name □ Mr. □ Ms. □ Mrs. □ Dr.

Title

Company

Address

City

State/Province ZIP/Postal Code Country

Phone

Email

Were you referred by an AWWA member □ Yes □ No

Referring Member Name Email

Gender □ Male □ Female (Optional)

Birth Year (Optional)

Annual Dues (A1)

□ Individual Active $230
An individual, such as a water utility employee, municipal official, public health professional, engineer, scientist, educator, consultant, or other person interested in or serving in the field of water supply. (02)

□ Young Professional $137
A special discount on first-year dues for individuals interested in or serving in the field of water supply, who are age 35 or younger. (YP2018)

□ Operations/Administrative $90
Any operations and administrative staff below the supervisory level at a utility with more than 1,000 service connections. Any staff member at a utility with fewer than 1,000 service connections. (06)

□ Student $20
A student enrolled in a minimum of nine credit hours (or the equivalent thereof) at an accredited institution. (14)

Additional Sections (A2)
In addition to your primary Section, you may join other AWWA Sections. There is a $33 multi-section fee, plus the dues for the other Sections as appropriate. Please call 1.800.926.7337 for more information.

Payment

Annual Dues (A1) $ ______________________________

Additional Sections* (A2) $ ______________________________

*If applicable

Total $ ______________________________

Payment Method

□ Check enclosed
(make payable to AWWA, US currency only, US bank only)

□ American Express □ MasterCard □ Discover □ Visa

Card Holder Name

Card Number

Expiration Date

Your membership will be activated when payment is received.

By joining AWWA, you grant the association, through implied consent, authorization to send you commercial electronic messages. Your communication preferences can be updated at any time at www.awwa.org under “My Account.”
Tell Us About Yourself  

All applicants must complete this section.

What one business activity best describes your company?  
(Please check only one)

☐ A  Public Water Supply Utility—Municipally Owned
☐ B  Public Water Supply Utility—Investor Owned
☐ C  Government—Federal, State, Local
☐ D  Consulting Firm
☐ E  Contractor
☐ F  Private Industrial System or Water Wholesaler
☐ G  Manufacturer of Equipment & Supplies (including representatives)
☐ H  Distributor of Equipment & Supplies (including representatives)
☐ I  Educational Institutions (faculty & students), Libraries and other related organizations
☐ J  Fully Retired
☐ K  Research Lab
☐ L  Other allied to the field (please specify) __________________________

What one category best describes your company’s field served/principal activity?  (Please check only one)

☐ 9  Both Water Supply & Wastewater
☐ 5  Water Supply Only
☐ 7  Wastewater Only
☐ 3  Other

What one category best describes your job title?  
(Please check only one)

☐ A  Executive (General Manager, Commissioner, Board Member, City Manager, Municipal Supt., Mayor, President, Vice President, Owner, Partner, Director, etc.)
☐ B  Management/Non-Engineering (Division Head, Section Head, Manager, Dept. Head, Comptroller, etc.)
☐ C  Design and Engineering/Both Managerial and Non-Managerial (Chief Engineer, Civil Engineer, Mechanical Engineer, Elect. Engineer, Environmental Engineer, Planning Manager, Field Engineer, System Designer, etc.)
☐ D  Scientific/Non-Managerial (Chemist, Biologist, Biophysicist, Researcher, Analyst, etc.)
☐ E  Purchasing (Purchasing Agent, Procurement Specialist, Buyer, etc.)
☐ F  Operations (Foreman, Operator, Maintenance Crewman, Service Representative, etc.)
☐ G  Marketing & Sales/Non-Managerial (Market Analyst, Marketing Representative, Salesperson, Sales Representative, etc.)
☐ I  Professorial (Educator, Teacher, etc.)
☐ Z  Other (please specify) __________________________

What areas of the water and wastewater industry are of current interest to you?  (Please check all that apply)

☐ Asset Management
☐ Backflow/Cross Connection
☐ Climate Change
☐ Conservation/Efficiency
☐ Customer Service
☐ Desalination
☐ Design/Construction
☐ Drought
☐ Emergency Preparedness/Security
☐ Groundwater
☐ Laboratory
☐ Membrane Treatment
☐ Public Health
☐ Public Info./Communications
☐ Reuse
☐ Small Systems
☐ Stormwater
☐ Training/Career Development
☐ Utility Management
☐ Wastewater
☐ Water Loss
☐ Water Research
☐ Water Resources/Planning
☐ Workforce Strategies
☐ Young Professionals

Dues rates valid through December 31, 2018. Dues are not deductible as charitable contributions for income tax purposes. The following is for USPS periodical mailing requirements only. In some AWWA Sections, a portion of the Section allotment equal to 50% or more of the domestic subscription rate charged for the Section periodical will be allocated toward a subscription to that periodical. Allocation for each publication recipient authorized—Journal • American Water Works Association—$50; Opflow—$16. Members with APO/FPO addresses will receive e-periodicals only. Print periodicals may be purchased for an additional fee. NOTE: Members’ phone numbers and email addresses are protected under AWWA’s Privacy Policy.

www.njawwa.org
Have an Idea for Research?

Let us know and we will help get it to the Water Research Foundation. Just fill out this short form and e-mail it to the Section Manager, mona@njawwa.org. A member of the Research and Technical Transfer Committee will contact you for more details.

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**PIPEDLINE** is the official publication of the New Jersey Section of the American Water Works Association. It is published three times a year.

Next Issue: October 2018
Deadline: September 15, 2018

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