North Central Texas Chapter
Texas AWWA
American Water Works Association

Volume 13, Issue 4 December 2024 /January 2025

the LAKE

NCT TAWWA Chapter Annual Holiday Dinner

Thursday, December 5

Social: 5:30 pm

Dinner & Program: 6:30 pm

Register before noon on December 4th here

Texas Star Conference Center

1400 Texas Star Pkwy

Euless, Texas 76040

PRESIDENT'S MESSAGE

Hello NCT TAWWA Members!

We've reached one of the busiest and most joyous times of the year. Wishing happy holidays to you and yours. This time of year, is often a time when we all take pause and reflect on what we're thankful for. This year I've been especially grateful for the family and friends that have been a steady presence throughout the year and have helped fulfill our lives. I am also incredibly grateful for my colleagues within our North Central Texas Chapter of TAWWA and the community that we all share. We have an incredible group of volunteers that dedicate a lot of time and effort throughout the year to help plan, organize and communicate the many events and opportunities to participate in and support our local water industry. The next time you have an opportunity, please help me give thanks and appreciation to our Chapter volunteers for their dedication to making our Chapter one of the best!

We've had a lot of events recently! First, our Chapter hosted the 23rd Annual Robert F. Pence Drinking Water Seminar on October 25th at The Petroleum Club of Fort Worth. Committee Chair Chad Bartruff, with Brown and Caldwell, Co-Chair Guadalupe Bailey, with City of Dallas Water Utilities, and Secretary Jose Punte, with City of Dallas Water Utilities, along with many additional committee volunteers, did a great job organizing a wonderful day of learning and networking. Special thanks to Julie Hunt and David Smith for moderating the event and to Karen Menard, our TAWWA Section Chair, alongside Daniel Nix, TAWWA Director, for the opening remarks and updating us on the Texas Section's goals and initiatives. The event raised over $10,000 for local scholarships! We are grateful for all the sponsors and attendees who supported and made this seminar a memorable day.

We also had our 2nd Annual Women in Water event on November 12th! Our guest of honor, L'Oreal Stepney with the Texas Water Development Board, shared her water industry journey as well as heartfelt advice for anyone working in this field. I also want to recognize Tony Mbroh, Chapter Diversity and Inclusion Committee Chair, alongside co-moderator of the event Julie Hunt, for organizing the event and for their dedication to providing impactful opportunities for our members.

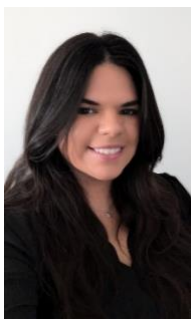
If you haven't already, be sure to register soon for the 14th Annual Holiday Dinner on Thursday, December 5, at the Texas Star Conference Center in Euless. There are a limited number of spots remaining. We will be celebrating the 50th anniversary of the Safe Drinking Water Act with discussions from a utility panel. We are so appreciative of all our sponsors that help make this evening possible. Proceeds from the event will go towards the Inaugural AWWA Student Design Competition and the SETH Project. We look forward to seeing you there!

Keep the holiday spirit going by supporting the Annual Ugly Christmas Sweater Party hosted by the NCT TAWWA and WEAT Young Professionals Committees! The event is in the evening on Wednesday, December 11, at Turning Point Brewery in Euless and registration is only $20. Sponsorships opportunities are available and appreciated.

Save the date for the 2025 Pipe Tapping and Member Appreciation event save the date will be out soon! Keep a lookout for event details and be sure and join us to support the utility competition teams!

Please continue to support Chapter events by registering, sponsoring, and sharing the opportunities with your colleagues. We thank you for your participation and look forward to seeing you soon!

Your North Central Texas Chapter President,



Brandy Martinez, P.E.

Brown and Caldwell

PREVIOUS MEETING RECAP

By Simone Guidry

Quenching Our Thirst for Knowledge: 2024 Robert F. Pence Drinking Water Seminar

The 2024 Robert F. Pence Drinking Water Seminar, held on October 25th, was a resounding success, bringing together over 200 water industry experts and community leaders for a day of insightful presentations. This annual event focused on the most pressing issues facing the future of drinking water—ranging from rehabilitation aging infrastructure projects to the latest innovations in water treatment.

Presentation Highlights

Innovations in Water Treatment Technologies

Cutting-edge advancements in water purification were showcased, with speakers presenting on filtration technologies, smart water monitoring systems, and pressure/submerged membranes.

Sustainable Water Management Practices

With population growth and climate change putting pressure on water resources, speakers emphasized the importance of integrated water management strategies that balance supply, demand, and conservation efforts.

Policy, Regulation, and Research in the Water Sector

Presenters explored the evolving landscape of water regulations like the newest update to the Lead and Copper Rule Improvements (LCRI) and research opportunities through the Water Research Foundation aimed at improving water safety, infrastructure investment, and public health protections.

Networking and Collaboration

One of the most valuable aspects of the seminar was the opportunity for attendees to connect with peers, share insights, and explore potential collaborations. Professionals from various sectors—water utilities, government agencies, consultants, vendors, and academic institutions—came together to discuss best practices and forge new partnerships to tackle shared challenges.

Looking Ahead

We thank all the speakers, sponsors, participants, and committee members who made the 2024 Robert F. Pence Drinking Water Seminar a memorable and impactful event. As the water sector continues to face evolving challenges, this seminar remains a vital platform for advancing knowledge, building community, and driving progress toward cleaner, safer, and more sustainable drinking water for all.

Save the date for next year's seminar—October 17, 2025!

Thank You Speakers!

Daniel Nix – Executive Director, TAWWA
Karen Menard – Chair, TAWWA
Ikram Sayed, PE – Garver
Peter Stencel – Dallas Water Utilities
Damon Roth, PE, BCEE – Brown and Caldwell
Natalie Cronk, PE – Kimley-Horn
David Brown, PMP – City of Denton
Rami Issa, PE – AECOM
Xu Shi, PhD, PE - North Texas Municipal Water District
Tyler Hudson, PE – Hazen
Mariana Anguiano, PE – Trinity River Authority of Texas
Timothy English, PE – Carollo
Jeff Mlak – Upper Trinity Regional Water District
James Naylor, PE – Freese and Nichols
Abbigayle Dyke – City of Denton

Jim Siriano – Water Research Foundation
Erica Wirski – Kennedy Jenks
Jason Laubacher, PE – Plummer
John Paul Jones – City of River Oaks
Alan LeBlanc, PE, BCEE – CDM Smith
André McBarnette, PE, PMP – CDM Smith
Ryan Rhoades, PE – HDR
Katie Livas, PE – HDR

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Thank You to our DWS Committee!

UPCOMING EVENTS

EVENT	TIME	LOCATION	SIGN UP
20th Annual Student Scholarship Dinner and Fundraiser	Friday, December 13 6-10 pm	Witte Museum - Mays Family Center and Zachry Family Acequia Garden 3801 Broadway San Antonio, Texas 78209	Register

YP CORNER

By Tasie Kade

YP Events

The young professionals group has had an active fall! The first event was a happy hour at Puttshack where we enjoyed putt putt golf and networking. Later in November, AWWA and WEAT hosted an intramural kickball game at Randol Mill Park. Kickball was a huge success with over 25 in attendance and will continue in future years.

Mark your calendars for the third annual YP Ugly Sweater Holiday Party! The event will be hosted at Turning Point Brewery on December 11th. Plus ones are welcome and ugly sweaters are required!

AWWA/WEF Young Professional Summit

Early-career water professionals, students, and water executives and managers who want to connect with young professionals are invited to register for the AWWA/WEF Young Professionals Summit. The conference will take place in Dallas February 9-11th, 2025. Scholarships are available through AWWA and WEF, and the NCT chapter will be granting individual scholarships.

YP Email List

Want to come to more upcoming YP events, but you just keep missing the notification about them? Or are you a non-YP member and would like your younger staff to get more involved with NCT AWWA? Send an email to Tasie at tkade@carollo.com to get your email added to the YP distribution list.

YP Committee Invitation
Interested in getting involved with the NCT AWWA YP Committee? Send an email to Tasie at tkade@carollo.com to hear more about open positions and get plugged in.

WOMEN IN WATER EVENT

By Ashley Van Keer

The NCT AWWA chapter was thrilled to meet and hear from L'Oreal Stepney, A Texas Water Development Board Member, on November 12th at the Texas Star Conference Center.

L'Oreal gave us an insider's look at her career progression, lessons learned and top 10 (or 15) key items she has used to garner her success and encourage others on their own career paths.

One key point L'Oreal spoke on was the importance of mentorship/community and always ensuring you were "at the table". Making yourself an invaluable asset to those around you and additionally – helping others rise as well.

For most people, an official mentor is never assigned or given. Instead, we find mentorship in those around us who are willing to help us develop and sometimes, even in those who don't realize the impact they have. L'Oreal spoke to some of the people who she has considered mentors throughout her career, some unknowingly.

But being a good mentor and leader relies on other characteristics besides being able to pass work down. Compassion, clarity and accountability were key ideals that were expressed amongst the entire audience.

Especially as women in a male dominated workforce, finding your mentors will lead to success more than individual persistence ever could. Being a mentor to others also benefits us, further building that community of reliance, and pushing us all further.

2024 TAWWA & NCT TAWWA SCHOLARSHIPS

By Cate Ball

One of TAWWA's most important missions is to raise scholarship money for members and their families. TAWWA does this through the various philanthropic activities at both the State and Chapter levels. The State announced their 19 State Scholarship recipients in the Fall 2024 Issue of Texas h2o.

TAWWA received approximately 65 applications for the 2024 -2025 scholarship year. The North Central Texas Chapter did an awesome job 'representing' since a little over 25% of the applications submitted were from this North Central Texas Chapter. Our local North Central Texas Chapter of AWWA is pleased to announce that we are awarding $4000 more in scholarship funds than last year. This year we are awarding $19,000 in scholarships to 18 recipients for the academic year 2024-2025!

NCT AWWA Scholarship recipients listed in alphabetical order include:

Esteban Cadena
- Hometown – Aledo
- College – Southern Methodist University
- Field of Study – Finance

Cadence Compton
- Hometown – Grapevine
- College – Hendrix College
- Field of Study – Undecided

Preston Davis
- Hometown – North Richland Hills
- College – University of Texas at Austin
- Field of Study – Mechanical Engineering

Chase Gallovich
- Hometown – Fort Worth
- College – Texas A&M University
- Field of Study – Mechanical Engineering

Anthony Gehrig
- Hometown – Fort Worth
- College – University of Notre Dame
- Field of Study – Strategic Management

Nicholas Gehrig
- Hometown – Fort Worth
- College – Texas A&M University
- Field of Study – General Engineering

Hannah Hinshaw
- Hometown – Weatherford
- College – Howard Payne University
- Field of Study – Christian Education

Sadie James
- Hometown – Haslet
- College – University of Oklahoma

- Field of Study – Sports Business

Jacob James

- Hometown – Haslet
- College – Texas Christian University
- Field of Study – Biology

Mason Marsh

- Hometown – Grapevine
- College – Texas A&M University
- Field of Study – Ecology and Conservation Biology

John Melcher

- Hometown – Rowlett
- College – Texas Tech University
- Field of Study – Biology

Maya Musallam

- Hometown – Plano
- College – University of Texas at Austin
- Field of Study – Civil Engineering

Ehsan Rajaie

- Hometown – Arlington
- College – University of Texas at Arlington
- Field of Study – Civil Engineering

Aubrey Reeves

- Hometown – Fort Worth
- College – Texas A&M University
- Field of Study - Animal Science

Ethan Sneed

- Hometown – Dallas
- College – Louisiana State University
- Field of Study – Computer Science

Grayson Southard

- Hometown – Wichita Falls
- College – Texas State University
- Field of Study - Finance

Monica Zabolio

- Hometown – Irving
- College – University of North Texas
- Field of Study – English

Our Local Operator Scholarship is awarded to Melanie Vasquez, currently a Water Quality Specialist II with the City of Waxahachie.

Congratulations to this year's scholarship recipients!

UTILITY SPOTLIGHT

By Ali Kazemi

Migdalia Jackson, City of Fort Worth

Position: Water Systems Superintendent- Village Creek Water Reclamation Facility

Education and Experience:

- Master's degree in Occupational Safety and Health, Environmental Management, Columbia Southern University
- Bachelor's degree in Chemistry, Cameron University
- Class A Wastewater Operator Certification with more than 17 years of experience. She began her career as a chemist in 2007 and then transitioned into an environmental specialist role about 10 years ago. From there, she advanced to a senior position in odor control, which eventually led to her role as plant assistant. Her manager, Shannon Dunne, encouraged her to take on the superintendent position for the facility.

What is a fun fact about you and what is your family and or hobbies and interests?

I love plants as you can see everywhere in my office. Also, Home Depot is my favorite store; I usually pick up one project around the house each month and work on that. I initially wanted to be a doctor, so my goal was to earn a degree in biology, chemistry, or microbiology. However, it was a bit expensive, and since I came here as an international student, I faced additional challenges. I didn't know any English when I arrived, so my first year was spent taking ESL classes. I didn't take any history or general education courses during that time; instead, I focused on subjects like trigonometry, algebra, and calculus. I graduated with a strong GPA, which laid the foundation for my career.

During that time, I met my husband, fell in love, and we got married. He was in the Army, so we moved every two to three years, which made going back to medical school impossible. Eventually, I ended up in the water department, where I started working in both drinking water and wastewater.

What are some strategies you think could help encourage more women to pursue careers in water industry? What needs to be changed?

I like to hire women with the right qualifications, and to provide more opportunities for them. For example, I recently hired a new environmental specialist, she's incredibly smart and passionate, and I can see her doing what I do in a few years once she gains more experience. We encourage and motivate people to grow in their careers. I'm inspired by the female operators at the water side of the plant, and I'd love to see more female operators here as well. When I'm reviewing candidates, I always feel proud to see women in the mix, and I do my best to give them opportunities to interview and advance.

One of the things I appreciate about the City of Fort Worth is how they support career growth—they offer free classes so you can get licenses, and they provide financial incentives each month for having an allied license. That financial motivation is a big factor in encouraging people to pursue their goals. I want others to know that if I was able to do it, even when I didn't speak English just a few years ago, they can do it too.

What challenges are you currently facing?

As you've probably noticed, there's a lot of construction happening right now. This facility, which is more than 100 years old, is undergoing significant updates to its equipment. We're working on modernizing and replacing outdated systems. For example, we've installed a brand-new grid facility and added a new rotary drum thickener to enhance the digestion process.

We've also installed a new lift station. These are the main challenges we're currently addressing through various construction projects.

Next year, we'll begin work on the primary clarifiers, and we'll be adding three brand-new clarifiers. We're constantly dealing with older equipment that requires maintenance and repairs, but these ongoing construction projects are gradually resolving these issues and improving our facility.

In your opinion, what are some key qualities that women bring to leadership roles in technical industries, and how have you seen these qualities impact your team's success?

I believe we are very detail oriented. I personally love data and making decisions based on the information available to me. However, if there's a specialist involved, I value their expertise as well. At the same time, I care deeply about the people I work with—I

consider myself like a "mother figure" to many of my employees here. They come to me, talk to me, and my door is always open. We bring warmth into the work environment, and we're very dedicated. I'm not just representing myself; I'm also representing a larger group, as a female. I want to make sure I perform well and set a positive example. I think we bring passion, warmth, attention to detail, and a strong work ethic to everything we do. I want to see success, not just for me, but for others too. I don't want to be the only one in this position—I want to help others rise, and I'll give them all the resources they need. Ultimately, it's up to the individual if they want to take that step.

What motivated you to be involved in the water and wastewater utility industry?

What motivates me the most is the impact we have—how our work supports the environment and helps people, often without them even realizing it. It's amazing to think about how we improve people's lives in ways they may not even be aware of. For instance, while we treat water, most people don't know what happens to it after they flush the toilet or use it. They just know it's gone. But behind the scenes, we're making sure it's properly treated and returned to the environment, and that's what drives me.

What should people know about the village creek facility? And What do you find rewarding about your work?

We're here to support both the community and the environment, which is why I ensure my team is fully dedicated. We know that water is being used constantly, and that's why we're here 24/7, working relentlessly—not just as a job, but as a career with opportunities for growth. When we see the water coming in with high BOD and TSS levels, it's a challenge, but it's rewarding to discharge treated water back into the river, seeing it clearer than the river itself. The outfall is my favorite place in the plant because it symbolizes the positive impact of our work. That's why we call our facility a water reclamation facility, not a wastewater plant!

We are green here; when water is used, we take it, clean it, and return it to the river. We also handle the solids—processing them and turning them into fertilizer, using gas from the anaerobic digesters, we generate electricity and methane, making our operation very eco-friendly. Everything we do here is focused on protecting the environment and supporting humanity. My team is deeply committed to this mission.

The passion is real. Let me tell you, when the storm hit in 2021, I got dressed—bundled up in layers—and told my husband, "If you can take care of the house and the kids, I'm heading to the plant." That moment right there shows the dedication and passion that people in the water industry have. Water is essential—while you might be able to go without electricity for a few days, you can't go without water, period.

What role have professional organizations played in your career development?

I'm a member of WEAT (Water Environment Association of Texas), and networking is a crucial part of my work. It's great to connect with others in the water industry, especially other women in similar roles. I find it valuable to hear about their experiences, particularly those in leadership positions, as I can learn from their knowledge and gain insights into new technologies. We often exchange ideas like, "How do you handle this at your plant?" Collaborating with professionals in the field helps me grow and stay informed. Additionally, being part of organizations like WEAT provides students with scholarship opportunities, benefiting the next generation of professionals.

What advice would you give to someone new to the water industry?

I would say it's a great way to get your feet wet and become familiar with the water treatment process. Don't hesitate to reach out to those with more experience—we have engineers here, and I've noticed many female engineers. Stay curious and ask questions!

TECHNICALLY SPEAKING…

Some Models Are Useful: How an Open Source Water Treatment Model Can Support Decision Making

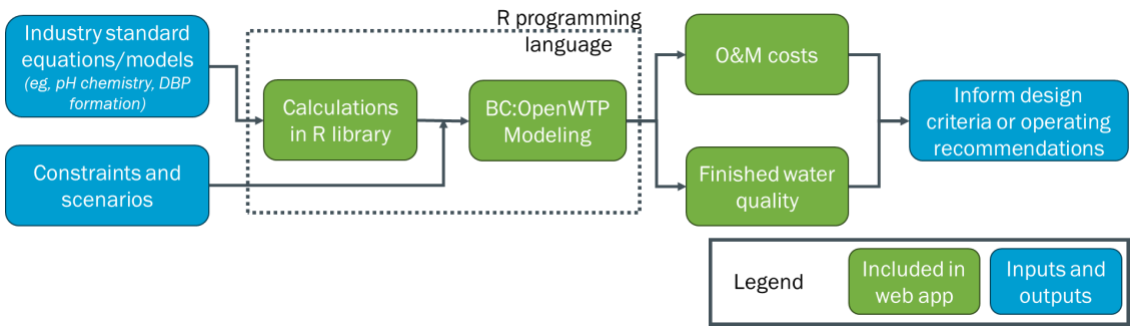
Several standard equations and models are available for predicting water treatment plant performance and water quality. When applied correctly, these models are powerful decision-making tools for quickly evaluating treatment optimization, responding to aberrant conditions, and planning for the future. Common models include pH chemistry, organics removal, disinfection byproduct formation, and corrosivity calculations, all of which can inform O&M cost estimates and finished water quality.

Due to the complexity of natural waters, even the most widely-used models will not provide an exact numeric prediction for most waters. However, relative predictions tend to be reliable. For example, models won't predict the exact TTHM concentration resulting from a particular water quality, but modeling the TTHM formation of two different water qualities will provide a good estimate of the impact of the change. As statistician George Box said, "All models are wrong, some are useful." Even when treatment models are "wrong" they can be "useful" when several scenarios can be modeled and compared to determine the best solution.

As part of the open science movement, we assembled industry-standard water treatment models into an open-source tool called BC:OpenWTP. It is freely available to professionals, researchers, educators, and the general public. The tool uses R, a free scripting language for statistical computing, and implements the models with an R library. The underlying code can be examined, used, and updated by anyone to help accelerate innovation, enhance collaboration, and increase transparency within the water industry.

With the goal of making the models as scalable as possible, R scripting is also used to implement the models, thereby allowing users to efficiently test thousands of scenarios instead of just one. Any scripting language would provide the extensive scenario testing, but we chose R because it's an intuitive transition for people who work with spreadsheets. Complex chemistry calculations and empirical model equations are bundled under the hood of the R library so that users can quickly and easily apply models with just a few lines of code. The models are also modular, so treatment and blending processes can be applied in any order to match any treatment plant. This modularity is also what allows anyone to contribute new models to the R library. For people with basic programming knowledge (or people who want to learn!), the R library provides an easy and efficient way to get value from treatment models.

Not everyone wants to write code, and that's okay! For people who don't know R, we also made an intuitive web application. The web app lets you test different water quality and dosing scenarios through a treatment plant. Although this tool only models one scenario at a time, it provides a low barrier mechanism to gain intuition for water quality through different treatment processes. The web app is built on the same R library, so users can investigate the code by navigating to the R library directly if they need to examine the model calculations.



The following two case studies illustrate how we've used this new open-source modeling tool in decision-making processes to select processes or improve treatment.

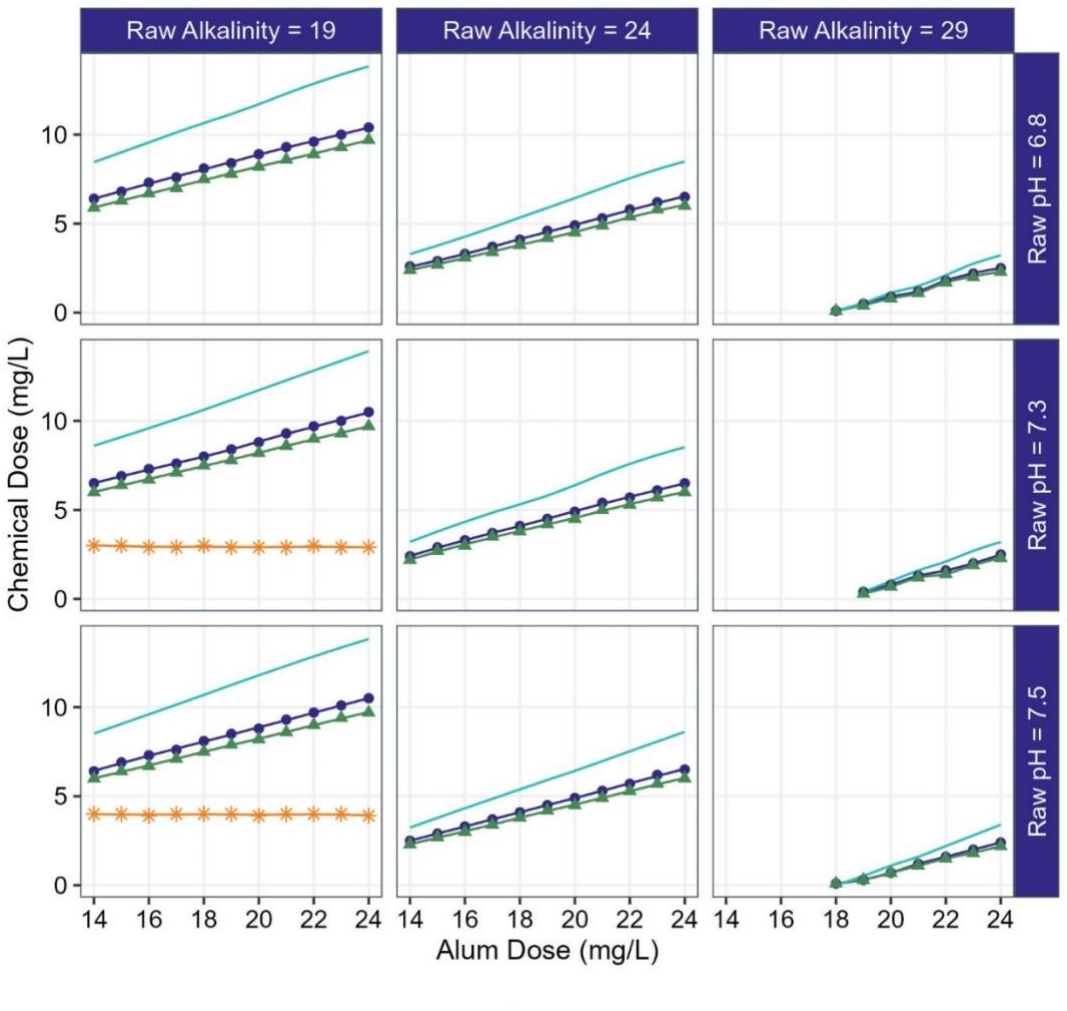
Case Study 1:

A water treatment plant in Colorado has low alkalinity in the raw water, making it challenging for operators to select optimal coagulant doses without the pH dropping too low. The need for supplemental alkalinity was identified and could be addressed with caustic soda, soda ash, or lime addition. Because all those alkalinity adjustment chemicals also increase pH, carbon dioxide addition was also considered to maintain a

lower pH for enhanced coagulation. The modeling tool was used to systematically compare the required dose for each of the alkalinity adjustment scenarios at a range of alum doses and raw water quality conditions. Corrosivity and scaling were also evaluated to verify the new chemical used for alkalinity adjustment would not negatively impact treatment plant infrastructure. This systematic evaluation was equivalent to running hundreds of jar tests. The key takeaways of the modeling were:

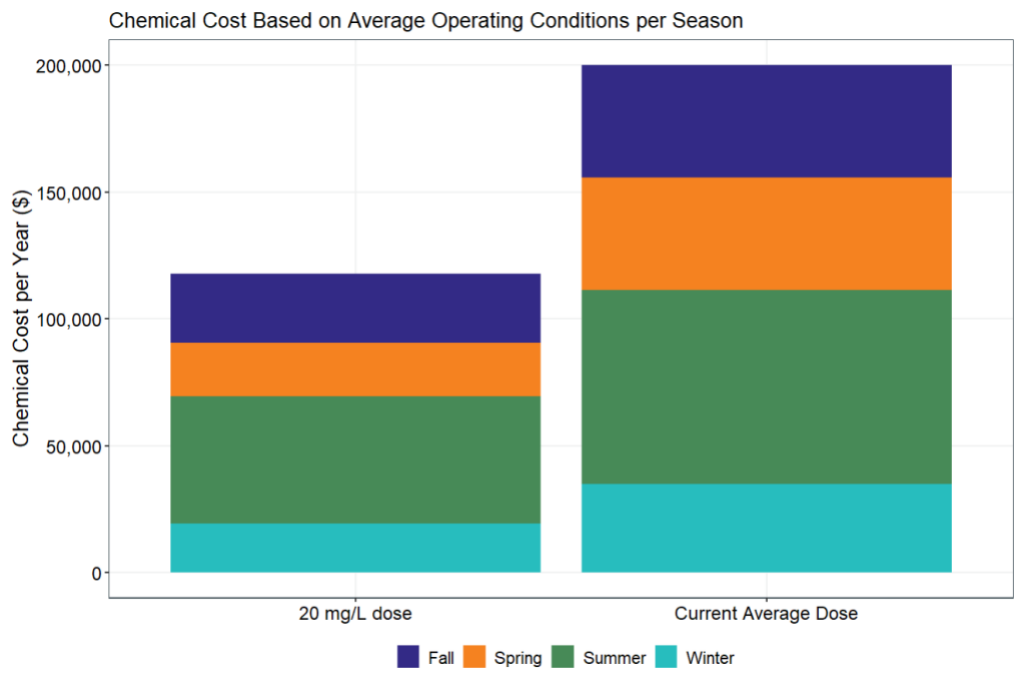
- Based on historical raw water quality and alum doses, carbon dioxide was only needed for pH control less than 50% of the time, even with the alkalinity adjustment.
- While soda ash was the chemical requiring the highest doses, it also had the lowest impact on coagulation pH.
- Alkalinity adjustment with any chemical would reduce corrosivity and have minimal impact on scaling in the plant. Finished water pH adjustment would result in the same water quality, but require lower chemical doses.

The plant selected soda ash because of the minimal impact on pH as well as cost effectiveness. The desktop evaluation was used to design a demonstration-scale test that will confirm results, followed by a full-scale design. If manual evaluation was used, only a few scenarios would have been tested and the larger trends may not have been apparent. Access to scalable water quality modeling helped save time and cost by analyzing many different scenarios with limited effort.



Case Study 2:

A 7 MGD conventional surface water treatment plant used their ferric sulfate coagulant to reach a pH of 7, which was needed to meet disinfection requirements. This required the plant to overdose ferric in the winter when alkalinity is high. The additional coagulant increased solids handling costs and required more caustic soda to meet finished water pH requirements for corrosion control. Water quality modeling was used to identify potential O&M cost savings of up to $6,000/month by reducing ferric doses. The model also determined the actual disinfection the plant was currently achieving and the disinfection it would be achieving if the pH was higher. The modeling proved that the plant was exceeding disinfection requirements, regardless of pH adjustment. These results were used to coordinate with regulators and establish new disinfection requirements. These new requirements allow operators more flexibility in dosing ferric sulfate to meet coagulation goals while ensuring that disinfection still exceeds regulatory requirements.



In summary, water treatment modeling is a valuable tool for quickly evaluating changes and additions to treatment processes, which results in efficient and informed decision making. The case studies provide examples of how cost savings and operational improvements can be identified by modeling, which can be verified with treatment testing as needed. Utilizing the R language for modeling provides a mechanism for efficiently modeling an extensive range of water qualities and treatment scenarios, thereby allowing comparison of model scenarios. The free and open source BC:OpenWTP R library provides a foundation for easily applying industry-standard models without getting caught in the weeds of the complex equations. As the industry continues to collect more data and establish new models in response to emerging water quality challenges, we believe an open-source and collaborative approach will make these models “useful”, even if they aren’t always “right”.

Sierra Johnson, P.E. is the lead developer of BC:OpenWTP, R enthusiast, and process engineer. She has 5 years of experience and is based in Denver, CO. *(sjohnson2@brwncald.com)*
Jesse Hamm, P.E. is the lead user of BC:OpenWTP in the Texas area for Brown and Caldwell. He is a process mechanical engineer at BC with 7 years of experience and is based in Dallas, TX. *(jhamm1@brwncald.com)*
Laurie Sullivan, P.E., is the Western Drinking Water Practice Leader at Brown and Caldwell. She has 30+ years of water treatment experience and is based in Denver, CO. *(lsullivan@brwncald.com)*



Upcoming AWWA Webinars

By Sinclaire Newby

- **Navigating PFAS Testing – FREE Webinar**
  December 10, 2024, 12:00 PM – 1:00 PM

- **Financing Source Water Protection Through the Farm Bill and Inflation Reduction Act**
  December 11, 2024, 12:00 PM – 1:30 PM

- **Progress Over Perfection: Utilizing Existing Data to Begin Your Pipeline Management Journey – FREE Webinar**
  January 23, 2025, 12:00 PM – 1:00 PM

- **Dashboards That Deliver: Optimizing Benchmarking Visualizations**
  January 29, 2025, 12:00 PM – 1:30 PM

North Central Texas TAWWA Officers

Position	Name	Organization
President	Brandy Martinez	Brown and Caldwell
Vice President	Mariana Anguiano	TRA
Secretary	Andrea Tom	CDM Smith
Treasurer (yr 3 of 3)	Ikram Sayed	Garver
Deputy Treasurer	Elaine Hung	TRA
Arrangements Committee Chair	Meredith McCall	LJA
Arrangements Committee Associate Chair	Bella Boddicker	Carollo
Communications Committee Chair	Caitlin Koranda	LAN
Education & Outreach Committee Chair	Helen Dulac	Grow North Texas
Programs Chair	Chris Bitter	JQ Infrastructure
Virtual Programs	Simone Guidry	Kennedy Jenks
Associate Virtual Programs	Claire Yancey	FNI
Membership Committee Chair	Veronica Enriquez	TRWD
Scholarship Committee Chair	Cate Ball	Plummer
Robert F. Pence Drinking Water Seminar Committee Chair	Chad Bartruff	Brown and Caldwell
Chapter Competitions Committee Co-Chair "Lead"	Dario Sanches	Arcadis
Chapter Competitions Committee Co-Chair	Michael McBee	FNI
Diversity & Inclusion Committee Chair	Tony Mbroh	Mbroh Engineering
Young Professionals Committee Chair	Zac Bolen	Plummer
Young Professionals Committee Secretary	Conor Mullis	Pump Solutions
Young Professionals Committee Treasurer	Cheyenne Footracer	Plummer
Young Professionals Committee Past Chair	Cat Turner	Garver
Student Design Co-Chair	Nicole Conner	Kennedy Jenks
Student Design Co-Chair	Steven Mendoza	Carollo
Past President	Dustan Compton	TRWD
Section Trustee	Katie Livas	HDR
Section Deputy Trustee	Stefi Massey	AECOM

We Love Our Water Memes!

By Traci Peterson

A living tree is 75 percent water! Don't forget to keep your holiday tree (and yourself) hydrated this month.

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

December
National Cat Lovers' Month

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

Relax this December knowing that water professionals are making sure water is on tap for you and your furry friend (or friends).

December 13th

National Hot Cocoa Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

No matter how you make it or top it, your mug of hot cocoa wouldn't be possible without water.

December 20th

Ugly Christmas Sweater Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

Water pros work hard so you can keep all your ugly sweaters washed and ready to wear.

January 1st
New Year's Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

Welcome 2025 with a water-related resolution! Put using water wisely on your list of goals or resolve to find out more about your water source.

January 8th
Bubble Bath Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

Why not? You deserve it!
Water is here for you, including bath time bubbles!
NO WATER, NO BATHS.

January 15th
National Bagel Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

Like so much in our lives, water is essential for a tasty bagel! As you celebrate, remember - no water, no bagel.

January 20
Martin Luther King Jr. Day

#TXWATERAMBASSADOR

Texas AWWA
American Water Works Association

“Until justice rolls down like water and righteousness like a mighty stream.”

Traci Peterson with the City of Arlington has been instrumental in creating these up-to-date memes. Thank you, Traci!

Thank you to our Annual Sponsors!

This newsletter was brought to you by your NCT TAWWA Communications Committee members. We would like to thank each member who contributed their time to bring you this issue of *The Lake*:

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For questions or comments about the newsletter, please contact Caitlin Koranda. We're open to ideas for potential articles and newsletter contributions.

Thanks for reading.
See you in August for our next issue!

North Central Texas Chapter Texas AWWA American Water Works Association

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