

RURAL WATER ASSOCIATION OF ARIZONA
SPRING CONFERENCE
MAY 7th-8th, 2024



RWAAZ



ANNUAL MEMBERSHIP /BUSINESS MEETING

On: Tuesday, May 7th of 2024

Time: 7:30 am – 8:00 am

**Location: 5655 W Valencia Rd Tucson AZ 85757,
Casino del Sol, Grand Ballroom**

Agenda:

- Call to Order
- Report by the Secretary of delegates present and determination of a Quorum
- Reading of the Notice of Meeting
- Reading and approval of minutes of the last Annual Meeting of the Membership
- Election of the Board of Directors
- Presentation of financial reports of the Association
- Reports of Directors and Committees
- Unfinished Business
- New Business
- Adjournment

SCHEDULE

TUESDAY, MAY 7th

7:00 am - 4:00 pm | REGISTRATION (desk located in the foyer)

7:00 am - 7:30 am | OPENING SESSION & Breakfast | Grand Ballroom

7:30am - 8:00am | Member Meeting| Grand Ballroom

10:00 am - 1:00 pm | VENDOR MOVE IN | Vendor Hall

8:00 am - 8:50 am :BREAKOUT SESSIONS

Saving Money, Pumping Groundwater | Ballroom F

SPEAKER: Nicolas Steverlynck, Hose Solutions

Tucson Water's Response to Emerging Contaminants | Ballroom G

SPEAKER: Chad Lapora, Tucson Water

Tools and Tech for Business Continuity in Public Works | Ballroom H

SPEAKERS: Arnab Bhowmick/Carl Brown, AKTIVOV Asset Management, LLC. | GettingGreatRates.com

LCRR: Lead Service Line Inventory Rule Requirements | Ballroom I

SPEAKER: Zach Sibberson , Arizona Department of Environmental Quality

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

8:50am-9:00am: BREAK

9:00am - 9:50am :BREAKOUT SESSIONS

PFAS Removal to Meet EPA MCL with Ion Exchange | Ballroom F

SPEAKER: Cathy Swanson, Puro-lite

Microbiology | Ballroom G

SPEAKER: Andrew Emerson, Huma Environmental

Tools and Tech for Business Continuity in Public Works (continued!) | Ballroom H

SPEAKERS: Arnab Bhowmick/Carl Brown, AKTIVOV Asset Management, LLC. | GettingGreatRates.com

Intro to Line Stops, Hot Taps, Valve Insertions, & Pipe Freezing | Ballroom I

SPEAKER: Steve Helm, Tap Master

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ



9:50am-10:05am Break

10:05am - 11:00 am :BREAKOUT SESSIONS

Pumps and Motors | Ballroom F

SPEAKER: David Prinzhorn, ADC Wastewater Engineering

Nite/Denite: Putting the Unknowns to Bed | Ballroom G

SPEAKER: Andrew Emerson, Huma Environmental

Tools and Tech for Business Continuity in Public Works (continued!) | Ballroom H

SPEAKERS: Arnab Bhowmick/Carl Brown, AKTIVOV Asset Management, LLC. | GettingGreatRates.com

PFAS in Drinking Water: ADEQ's Sampling Project Overview and Funding Opportunities | Ballroom I

SPEAKER: Sara Konrad & Matthew Olson, ADEQ

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

11:00am-11:10am Break

11:10pm-12:00pm : BREAKOUT SESSIONS

Life-Cycle Cost Analysis of Water Wells | Ballroom F

SPEAKER: Jeremy Kuhn, Roscoe Moss Company

Rethinking Treatment Options | Ballroom G

SPEAKER: Rick Allen, BioLynceus

Tools and Tech for Business Continuity in Public Works (continued!) | Ballroom H

SPEAKER: Arnab Bhowmick/Carl Brown, AKTIVOV Asset Management, LLC. | GettingGreatRates.com

Funding Opportunities Through WIFA - Rural Water Supply Development | Ballroom I

SPEAKER: Chelsea Mcguire/Lindsey Jones, WIFA

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

12:00pm-1:00pm :Lunch

Lunch Included: Fajitas in the Grand Ballroom



1:00pm - 2:00pm :BREAKOUT SESSIONS

EPA Drinking Water Regulation Updates | Ballroom F

SPEAKER: Daria Evans-Walker, US EPA Region 9

Drinking Water and Wastewater Sampling Techniques | Ballroom G

SPEAKER: Marci Payne, Legend Technical Services of Arizona, Inc.

Open Meeting Laws | Ballroom H

SPEAKERS: Daniel Herder, Clark Hill

Water Wells/Well Construction & Water Storage Tanks/Reservoirs | Ballroom I

SPEAKER: David Prinzhorn, ADC Wastewater Engineering

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

EXHIBIT HALL:

Tuesday 2:00pm to 5:00pm

**Join us for the water meter competition hosted by Zenner!
Starts at 2:00pm**

Vendor trainings 3:00pm-4:00pm

Make sure to drop off your water samples to enter into our best tasting water contest, round one today at 4:00pm

HAPPY HOUR: 4:00pm-5:00pm Network between vendors and attendees over snacks and a drink



SCHEDULE

WEDNESDAY, MAY 8th

7:00 am - 4:00 pm | REGISTRATION (desk located in the foyer)

8:00 am - 9:00 am | Early Morning Buffett Breakfast | Vendor Hall

8:00 am - 12:00 pm | EXHIBIT HALL - VENDOR TIME

12:00pm-1:00pm Awards Announced

12:00 pm - 1:00 pm | LUNCH on your own|

1:00pm - 1:50pm :BREAKOUT SESSIONS

Arizona Water What, When, Where | Ballroom F

SPEAKER: Steve Verona, EJ

Pre-Treatment Strategies | Ballroom G

SPEAKER: Rick Allen, BioLynceus

Financing Water and Wastewater projects in Arizona | Ballroom H

SPEAKERS: Timothy Stratton & Mike Krebs, Stratton Law Firm & PACE

Solutions for Control- Tapping & Insertion Valves | Ballroom I

SPEAKER: Michael Urwin, Hydra-Stop

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

1:50pm-2:05pm: BREAK

2:05pm - 2:55 pm :BREAKOUT SESSIONS

To Inventory & Beyond! LCRR, Now LCRI - Doesn't Have to Feel Like a Wild Goose Chase |

Ballroom F

SPEAKER: Peyton Marshal, 120Water

Mitigating Contaminants | Ballroom G

SPEAKER: Rick Allen, BioLynceus

USDA Water/Wastewater Programs | Ballroom H

SPEAKERS: Michael Dean, USDA-Rural Development

Succession Plan Like a Pro | Ballroom I

SPEAKER: Joseph Blackman, Vitendo Training Solutions

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

2:55pm-3:10pm: BREAK

3:10pm - 4:00pm :BREAKOUT SESSIONS

Water meters can't find water main line leaks, can they? You bet they can! | Ballroom F

SPEAKER: Jake Waidmann, Kamstrup

Managing your septic and grease haulers | Ballroom G

SPEAKER: Rick Allen, Biolynceus

USDA - Program, Engineering, and NEPA Training | Ballroom H

SPEAKER: Lam Ho, USDA Rural Development

Math for Operators | Ballroom I

SPEAKER: Matt Rencher, City of Eloy Public works Director/City Engineer

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

4:00pm-4:15pm: BREAK

Sponsor Highlight



**Thank you Total Wine &
More for donating a
Private Wine Class for 20
People!**

SCHEDULE

WEDNESDAY, MAY 8th
CONTINUED



4:15pm - 5:05pm :BREAKOUT SESSIONS

Diversity, Progress and the Future of the Water industry | Ballroom F

SPEAKER: Sara Carroll, AZ Districts Solutions

Water System Basics and the Evolution of Pressure Monitoring to Benefit Drinking Water Utilities | Ballroom G

SPEAKER: Jerry Lawman & Oren Staine, Clow Valve Company / Kennedy Valve Company

Is Cyber Security for the water and wastewater sector? | Ballroom H

SPEAKER: Robert Stea, NIST

Math for Operators | Ballroom I

SPEAKER: Matt Rencher, City of Eloy Public works Director/City Engineer

Operator Grade 3 & 4 Training | Ballroom J

SPEAKER: Marti Blad, RWAAZ

Sponsor Highlight

Metron+Farnier™

Smart Water Meters & Systems

Sponsor Highlight



Make sure to stop by our registration table to get yourself a raffle ticket!

Thank you Sponsors for helping our raffle be a success by donating tickets to your facilities.



Raffle tickets are \$5 each.



Vendors	Email	Phone
Hose Solutions, Inc.	sales@hosesolutions.com	(480)-607-1507
Pencco, Inc.	mborder@pencco.com	(714)-926-7205
Biolynceus	juls@biolynceus.net	(623)-300-8986
KP Ventures Well Drilling & Pump Co. LLC	kppj@msn.com	(928)-300-1122
Aquatic Informatics	benjamin.braman@aquaticinformatics.com	(720)-597-0918
KE&G Construction, Inc.	jogiba@kegtus.com	(520)-777-5807
Metron Farnier	aschechter@metronfarnier.com	(720)-618-3435
Zenner USA	bance@zennerusa.com	(972)-386-6611 x125
Applied Diving Services	smoses@rubiconfab.com	(602)-334-6523
Dorsett Controls	sculbertson@dorsettcontrols.com	(855)-387-2232
Accurate Corrosion Control Inc.	jackr@accuratecorrosion.com	(623)-237-0645
IAC	sales@instandcontrols.com	(480)-921-0498
Ferguson Waterworks	brandon.perez@ferguson.com	(520)-204-0488
Huma Environmental	heather@huma.us	(480)-265-6648
Goble Sampson	jdeogracias@goblesampson.com	(480)-220-2327
AdEdge Water Technologies	maria.mallett@chartindustries.com	(404)-922-5617
USABLUEBOOK	elangston@usabluebook.com	(847)-377-5162
Trident Actuators	msturgill@tridentactuator.com	(229)-977-5992
Tnemec	tferguson@swcspecialists.com	(480)-469-6099
PureOps	carolann@pureops.com	(575) 635-6098
Border Marketing, Inc.	kevin@bordermarketing.com	(480)-947-8570
Orenco Water	mreber@orencowater.com	(800)-718-4023
Superior Tank Solutions	brandon.calfree@superiortank.com	(281)-342-0750
Fortiline	daniel.roer@fortiline.com	(632)-640-7164
Tech Flow	theresa.ashworth@tech-flow.com	(480)-608-0000
Haaker Equipment Co	frankc@haaker.com	(619)-416-0495
Sitelogiq	Dan.cavanaugh@sitelogiq.com	(480)-600-8368
Relevant Industrial	mary.carmichael@relevantsolutions.com	(713)-805-6829
Dana Kepner Company	mroeder@danakepner.com	(602)-316-3682
Core & Main Water & Wastewater Supply	richard.campbell@coreandmain.com	(840)-218-1653
Esi Water Powered by Cla-Val	jjackson@esiwater.com	(480)-708-2375
SAERTEX multiCom	n.freeman@saertex.com	(813)-418-1982
Tecsolutions Consultants LLC	chris@tecsolutionsconsultants.com	(812)-480-6656
Aqua Smart Inc.	ryearta@aquasmartinc.com	(912)-944-7968
Point & Pay	merwin@pointandpay.com	(863)-409-1977
Kennedy M&H Valve Co.	oren.staine@kvmhsales.com	(480)-209-4520
Professional Pipe Services	rusty.johnson@pro-pipe.com	(917)-281-4520
Clow Valve	jerry.lawman@clowvalve.com	(480)-490-1590
IDEXX Laboratories	wlpdsalesupportna@idexx.com	(949)-466-4329
Romac Industries	tyler.hayes@romac.com	(602)-363-1226
EJ	steve.verona@ejco.com	NA
Source One Environmental	rmoran@s1eonline.com	NA
California Surveying and Drafting Supply	Jon.Tegan@csdsinc.com	(916)-619-6554
Kasco Marine	leslie.b@kascomarine.com	(651)-808-1263
DXP Enterprises	tony.kinsey@dxpe.com	(480)-294-1294
AZ Wastewater Industries, Inc.	aaron@usa-awi.com	(928)-220-0833
Vitendo	joe@vitendo.us	925-628-7646

SPEAKERS

TUESDAY, MAY 7th

8:00 am to 8:50 am

SAVING MONEY, PUMPING GROUNDWATER

BALLROOM F / SPEAKER: NICOLAS STEVERLYNCK, HOSE SOLUTIONS

Most water wells are being designed and operated with the assumption that their performance stays fairly constant over years of operation. Drops in performance and rising maintenance costs are often overlooked, causing operational costs to skyrocket. With that in mind, we will focus on pumping efficiencies and highlight what is costing us money, how much it is costing and how we can save money and prolong the life of our wells and pumping equipment.

TUCSON WATER'S RESPONSE TO EMERGING CONTAMINANTS

BALLROOM G / SPEAKER: CHAD LAPORA, TUSCON WATER

Mr. Lapora will discuss the intent and importance of Tucson Water's Sentry Program that is used to monitor for emerging contaminants in its service area. Mr. Lapora will also discuss the regulatory implications regarding emerging contaminants and Tucson Water's efforts to provide safe, clean drinking water.

TOOLS AND TECH FOR BUSINESS CONTINUITY IN PUBLIC WORKS

BALLROOM H / SPEAKER: ARNAB BHOWMICK AND CARL BROWN, AKTIVOV ASSET MANAGEMENT, LLC./ GETTINGGREATRATES.COM

Staff come and go. Facilities are built and function for a while, but also must be replaced eventually. Everything changes over time in the public utility services realm except for one thing – the show must go on. This session covers asset management, rate analysis and rate setting as overarching themes. The trainers also drill down into major technologies, business processes, resource requirements, business continuity and succession planning, emergency response and crisis management, use of the “Cloud” and mobility, use of a distributed workforce, and other critical issues organizations need to handle well to be high-performing, resilient and sustainable. This session will help you to better fulfill your role in utility service and to see how you are part of a bigger team effort.

LCRR: LEAD SERVICE LINE INVENTORY RULE REQUIREMENTS

BALLROOM I / SPEAKER: ZACH SIBBERSON, ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Zach Sibberson will discuss changes to the lead and copper rule but will primarily focus on upcoming requirements for the lead service line inventory. This class will dive into the importance of identifying lead, changes to regulations, methods for conducting the initial lead service line inventory, public notice changes and will briefly talk about proposed changes to the rule that will come from LCRI, once EPA finalizes the rule.

8:00 am to 8:50 am continued

OPERATOR GRADE 3 & 4 TRAINING **BALLROOM J / SPEAKER: MARTI BLAD, RAAZ**

This course will cover microbiology basics for both water and wastewater operators. Marti will discuss problematic filamentous organisms for Wastewater and an introduction to microorganism causing taste & odor challenges in Water.



9:00 am to 9:50 am

PFAS REMOVAL TO MEET EPA MCL WITH ION EXCHANGE **BALLROOM F / SPEAKER: CATHY SWANSON , PUROLITE**

This practical course will explain why PFAS removal with single-use ion exchange resin is one of the EPA's recommend treatment methods for meeting the new regulations. We'll discuss how ion exchange works. We'll talk about the regulations and how IX provides the smallest footprint, lowest cost, and better performance as compared to GAC. We'll discuss the practicalities of implementation and case histories.

MICROBIOLOGY

BALLROOM G / SPEAKER: ANDREW EMERSON, HUMA ENVIRONMENTAL

This class will delve into the fascinating world of microbiology as it pertains to wastewater treatment.

TOOLS AND TECH FOR BUSINESS CONTINUITY IN PUBLIC WORKS CONTINUED

BALLROOM H /SPEAKER: ARNAB BHOWMICK AND CARL BROWN, AKTIVOV ASSET MANAGEMENT, LLC./ GETTINGGREATRATES.COM

Staff come and go. Facilities are built and function for a while, but also must be replaced eventually. Everything changes over time in the public utility services realm except for one thing – the show must go on. This session covers asset management, rate analysis and rate setting as overarching themes. The trainers also drill down into major technologies, business processes, resource requirements, business continuity and succession planning, emergency response and crisis management, use of the “Cloud” and mobility, use of a distributed workforce, and other critical issues organizations need to handle well to be high-performing, resilient and sustainable. This session will help you to better fulfill your role in utility service and to see how you are part of a bigger team effort.

INTRO TO LINE STOPS, HOT TAPS, VALVE INSERTIONS, & PIPE FREEZING

BALLROOM I / SPEAKER: STEVE HELM, TAP MASTER

This 1-hour presentation will cover the basics of Line Stopping, Hot Tapping, Valve Insertions, and Pipe Freezing. Hot Tapping - Installing a new branch line connection to get your existing in-service piping without a shutdown. Size-on size Hot Taps can be done, giving you the maximum flow you require. Line Stopping - Line Stopping provides mechanical methods of isolating your pipeline. Bypass capabilities allow your pipeline to stay in service while piping modifications or valve installations are made. Available for every type of pipe, service product and condition. Pipe Freezing - Pipe freezing isolates your piping when draining the system is not economical or environmentally sound. Valve additions and repairs are made quick and easy. Great for high pressure and copper systems. less draining allows you to stay in the green. Valve Insertion - A New Gate Valve is installed inline in 2-4 hours, LIVE, "without interruption" of the Service main.

SPEAKERS

TUESDAY, MAY 7th

10:05 am - 11:00 am

PUMPS AND MOTORS

BALLROOM F / SPEAKER: DAVID, ADC

This class will present relevant information for water utility operators related to water supply wells and water storage options.

NITE/DENITE: PUTTING THE UNKNOWN TO BED

BALLROOM G / SPEAKER: ANDREW EMERSON, HUMA ENVIRONMENTAL

This presentation will go over the nitrification/denitrification cycle and its importance to wastewater treatment. It will cover key operational conditions and the bacteria that drive these processes forward.

TOOLS AND TECH FOR BUSINESS CONTINUITY IN PUBLIC WORKS CONTINUED

BALLROOM H / SPEAKER: ARNAB BHOWMICK AND CARL BROWN, AKTIVOV ASSET MANAGEMENT, LLC./ GETTINGGREATRATES.COM

Staff come and go. Facilities are built and function for a while, but also must be replaced eventually. Everything changes over time in the public utility services realm except for one thing – the show must go on. This session covers asset management, rate analysis and rate setting as overarching themes. The trainers also drill down into major technologies, business processes, resource requirements, business continuity and succession planning, emergency response and crisis management, use of the “Cloud” and mobility, use of a distributed workforce, and other critical issues organizations need to handle well to be high-performing, resilient and sustainable. This session will help you to better fulfill your role in utility service and to see how you are part of a bigger team effort.

PFAS IN DRINKING WATER: ADEQ'S SAMPLING PROJECT OVERVIEW AND FUNDING OPPORTUNITIES

BALLROOM I / SPEAKER: SARA KONARD, ADEQ AND MATHEW OLSON, ADEQ

ADEQ's statewide drinking water PFAS (Per- and polyfluoroalkyl substances) Sampling Project is a pivotal initiative built upon previous sampling events, aimed at testing and identifying PFAS contamination at all PWSs that will be regulated by proposed rule to identify the extent of PFAS contamination by April 2024, providing valuable data for PWS owners and communities. By following rigorous sampling procedures and utilizing both approved drinking water methods, ADEQ provides those results to the PWS along with resources to support those who may be impacted by PFAS. The data provided from the sampling project and the Unregulated Contaminant Monitoring Rule (UCMR) sampling project will identify communities needing assistance in mitigating PFAS. The state of Arizona is receiving several sources of funding specifically for the mitigation of PFAS and other emerging contaminants in drinking water. ADEQ staff will discuss two of these funds which together total \$47 million. Topics discussed will include how ADEQ is prioritizing and selecting public water systems to receive this funding, how ADEQ is reducing barriers to access these funds by contracting directly with design engineers and construction contractors, and an update of current projects funded by these grants

10:05 am - 11:00 am Continued

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

This course is part 1 of 3 in series on solids handling predominately in Wastewater systems.

11:05 am - 12:00 pm

LIFE-CYCLE COST ANALYSIS OF WATER WELLS

BALLROOM F / SPEAKER: JEREMY KUHN, ROSCOE MOSS COMPANY

Water wells must be viewed as a long term investment. When designing and constructing a well, it is important to consider all of the options that are available. By investing in your well now, you could save a lot of money, time, and difficulty in the future.

RETHINKING TREATMENT OPTIONS

BALLROOM G / SPEAKER: RICK ALLEN, BIOLYNCEUS

With emerging mandates on managing systems, attendees look at the challenges of choosing between programs for treatment in wastewater that depend on either biological or mechanical solutions or chemicals to solve problems in both collection systems and wastewater treatment plants. In Rethinking Treatment Options discussion of the use of various materials in both pre-treatment and wastewater treatment plants is the focus of this class.

TOOLS AND TECH FOR BUSINESS CONTINUITY IN PUBLIC WORKS CONTINUED

BALLROOM H / SPEAKER: ARNAB BHOWMICK AND CARL BROWN, AKTIVOV ASSET MANAGEMENT, LLC. / GETTINGGREATRATES.COM

Staff come and go. Facilities are built and function for a while, but also must be replaced eventually. Everything changes over time in the public utility services realm except for one thing – the show must go on. This session covers asset management, rate analysis and rate setting as overarching themes. The trainers also drill down into major technologies, business processes, resource requirements, business continuity and succession planning, emergency response and crisis management, use of the “Cloud” and mobility, use of a distributed workforce, and other critical issues organizations need to handle well to be high-performing, resilient and sustainable. This session will help you to better fulfill your role in utility service and to see how you are part of a bigger team effort.

FUNDING OPPORTUNITIES THROUGH WIFA - RURAL WATER SUPPLY DEVELOPMENT

BALLROOM I / SPEAKER: SCHELSEA MCGUIRE, DENISE OLSON, LINDSEY JONES, WIFA

The Water Infrastructure Finance Authority of Arizona (WIFA) has a successful history of providing financial assistance for clean and drinking water projects through our state revolving funds. Now, we are excited to launch a brand-new revolving fund specific to water supply development outside of Arizona's urban centers. Join us to learn about the Water Supply Development Revolving Fund.

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

This course is part 2 of 3 in series on solids handling in Wastewater systems. Aerobic and Anaerobic digestion microbiology and chemistry will be covered in detail.

1:00 am - 2:00 pm

EPA DRINKING WATER REGULATION UPDATES

BALLROOM F / SPEAKER: DARIA EVANS-WALKER, US EPA REGION 9

Come to learn about updates to National Primary Drinking Water Regulations and how they are reported to the Federal government. Participants will gain perspective on the impact of upcoming Federal regulations from this presentation.

DRINKING WATER AND WASTEWATER SAMPLING TECHNIQUES

BALLROOM G / SPEAKER: MARCI PAYNE, LEGEND TECHNICAL SERVICES OF ARIZONA, INC.

The purpose of this discussion is to inform and educate operators regarding bacteria sample collection, including compliance updates for proper volume requirements. Additional sampling and safety precautions for VOC's, SOC's, IOC's, Lead & Copper, PFAS, and more will also be covered.

ARIZONA OPEN MEETING LAW - BEST PRACTICES FOR PUBLIC ENTITIES

BALLROOM H / SPEAKER: DANIEL HERDER, CLARK HILL

Public entity water and wastewater utilities in Arizona are required to follow state Open Meeting and Public Records Law, which are meant to ensure governmental activity is conducted in public and that public officials maintain an accurate accounting of their activities. This session will cover the types of actions and communications that must occur in a public meeting or be subject to legal challenge, and will highlight best practices for meetings, executive sessions, notices and agendas, minutes, communications with board members, and other pertinent considerations.

WATER WELLS/WELL CONSTRUCTION & WATER STORAGE TANKS/RESERVOIRS

BALLROOM I / SPEAKER: DAVID PRINZHORN, ADC WASTEWATER

This class will present relevant information for water utility operators related to water supply wells and water storage options.

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

This course is the part 3 of the series on solids handling in Wastewater systems. This course has applicability for Operators in water systems that dewatering residuals following the treatment process.

EXHIBIT HALL:

Tuesday 2:00pm to 5:00pm

Join us for the water meter competition hosted by Zenner!

Starts at 2:00pm

Make sure to drop off your water samples to enter into our best tasting water contest, round one today at 4:00pm

HAPPY HOUR: 4:00pm-5:00pm Network between vendors and attendees

Sponsor Highlight



Thank you BioLynceus!
Donuts on Tuesday



Sponsor of Raffle Items



Powers-Leavitt Insurance



MUNICIPAL ACCOUNTS
& CONSULTING, L.P.

**Thank you to our
generous Sponsors!
Your contributions
make our mission
and this conference
possible.**

EXHIBIT HALL: Wednesday 8:00am to 12:00pm

**Join us for the water meter competition hosted by Zenner!
Starts at 9:00am**

Winners of raffles, prizes and winner of the best tasting water announced!

Vendor presentations

SPEAKERS

WEDNESDAY, MAY 8th

1:00 pm to 1:50 pm

WHAT, WHEN, WHERE, WHY

BALLROOM F / SPEAKER: STEVE VERONA, EJ

This session will cover the state of Arizona concerning the contractors, water usage, new developments highway concerning water, parks concerning water, funding and grants and the opportunity for opinions on funding usage in 2024

PRE-TREATMENT STRATEGIES

BALLROOM G / SPEAKER: RICK ALLEN, BIOLYNCEUS

Description In Pretreatment Strategies attendees will look at the types of programs that will be of benefit to their system. Program discussion of FOG (Fats, Oils, and Grease), H2S Mitigation and other contaminants, including sanitary wipes and industrial users (IU or SIU) are examined. In Pre-Treatment Strategies, professionals will learn the importance of managing for pre-treatment to optimize the efficiency of collections and plant operations. During this presentation the potential effects of Cannabis growers and manufacturers on your system will be discussed. Specific protocols and programs are covered that may be utilized to help improve FOG, Odors, Corrosion and the damaging impact of contaminants. Pretreatment Coordinators, Collection system and wastewater system professionals will benefit by learning key strategies to improve pretreatment and collection system management. Programs and protocols along with emerging issues are included in the discussion of how systems around the country are improving their wastewater programs by incorporating pre-treatment and collection system management strategies.

1:00 pm to 1:50 pm Continued

NAVIGATING THE FINANCING PROCESS. HOW TO SUCCESSFULLY CLOSE STATE AND FEDERAL FINANCING OPPORTUNITIES FOR YOUR PROJECTS.

BALLROOM H / SPEAKER: [TIMOTHY STRATTON & MIKE KREBS, STRATTON LAW FIRM & PACE](#)

This session will explore the financing process for water and wastewater systems in Arizona. We will take a deep dive into how to apply and receive financial assistance from WIFA and USDA-Rural Development. We will outline the steps needed to successfully close a financing or grant award from state and federal agencies.

SOLUTIONS FOR CONTROL- TAPPING & INSERTION VALVES

BALLROOM I / SPEAKER: [MICHAEL URWIN, HYDRA-STOP](#)

Hydra-Stop LLC is a manufacturer of insertion valves with technology to install a permanent valve live, under pressure, in less than two hours without disrupting the system. The information that will be discussed covers the benefits of the technology, performance testing against industry standards, a deconstruction of the valve components, and real-world applications of this solution (hydrant replacements, water main rehabs, lift station renovations and more). Valve insertion technology helps prevent major shutdowns and disruptions especially in critical infrastructure areas that include hospitals, retirement homes, schools, businesses and factories. Traditional methods of maintaining water systems, such as shutdowns, cause unforeseen problems down the line, including as boil orders and future breaks. The information learned can be considered to avoid such problems and give operators peace of mind. These efficient processes allow utilities to make repairs or additions without the disruption of service to their customers. Learn how utilizing these techniques will reduce or eliminate costs associated with planned or emergency system shutdowns and promote safe installation methods

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: [MARTI BLAD, RWAAZ](#)

This session will cover disinfection chemistry basics for both water and wastewater operators. Presentation of disinfection options, their chemistry, effectiveness of different Microbes, advantages/disadvantages.

2:05pm to 2:55 pm

TO INVENTORY & BEYOND! LCRR, NOW LCRI - DOESN'T HAVE TO FEEL LIKE A WILD GOOSE CHASE

BALLROOM F / SPEAKER: [PEYTON MARSHALL, 120WATER](#)

Have the updated Lead and Copper rules started to feel like a wild goose chase to you? It does NOT have to be! Join us as we walk you through what's required, and the step by step process that will finally allow you to catch that dang goose! With less than a year to complete your preliminary inventory, it is essential to ensure you are collecting and storing your water system's data in an ORGANIZED way. Since new sampling requirements, tighter communication timelines, increased transparency, and more are all going to be reliant upon your inventory it's important to consider HOW you will have to use the data as you are preparing your inventory. We will discuss what LCRI requirements are important, how to develop verification and customer communication strategies, and tips for centralizing your data to make future reporting a breeze. Our team has worked with utilities all over the nation; and, although each state is a little different, the basic work that needs to be done is essentially the same. We'll share some stories of best practices and what has been working as well as regulation updates and what they mean for you going forward.

2:05pm to 2:55 pm Continued



MITIGATING CONTAMINANTS

BALLROOM G / SPEAKER: RICK ALLEN, BIOLYNCEUS

Wastewater treatment facilities, whether mechanical or lagoon are subject to a variety of influences. While many of the contaminants are known, there are plenty that can get dumped on a system that are caustic and deadly. The course covers the kinds of contaminants that might be hitting your system. We'll discuss a little in the Industrial and Pre-Treatment world. In Mitigating Contaminants, attendees will explore some of the reasons why these regulators are concerned with nutrient loading and contaminants and what these concerns mean for wastewater treatment industry. A discussion of septic haulers and the world of taking septage hauler waste will be covered. Additionally, other toxic dumping from Crystal Meth and other pollutants will be addressed in our time together. Discussion on how to get a dead plant restarted from toxicity will be in the mix of the conversation. If you have ever wondered about the things that are hitting your system and the toxicity and effects, this would be a good session to visit with your fellow operators about the local experience around mitigating contaminants.

USDA WATER/WASTEWATER PROGRAMS

BALLROOM H / SPEAKER: MICHAEL DEAN, USDA RURAL DEVELOPMENT

Funding opportunities within USDA-Rural Development for water and wastewater systems, the processes, and requirements.

SUCCESSION PLAN LIKE A PRO

BALLROOM I / SPEAKER: JOSEPH BLACKMAN, VITENDO TRAINING SOLUTIONS

Ready to make a splash in the journey of making the world a better place? If you're all about leaving a ripple effect, passionate about mentoring, and thrive on giving back, dive into this class tailored just for you. In this refreshing session, get ready to flow with the current and explore 3 transformative principles:

1. Uncover the deep "Why" that nourishes succession planning, ensuring your impact ripples through generations like a steady stream.
2. Master the art of leaving your system not just good but in the hands of water stewards, ensuring a legacy that flows gracefully.
3. Embrace the "Hire for mindset, train for skill" philosophy, transforming your approach to talent acquisition like a river sculpting its path. Thick skin is not just recommended; it's as essential as a wellspring.

If you're ready to embrace the fluidity of cutting edge technology to propel the industry forward, then this session is your ultimate riverbank. So, grab your Pen & Pad, settle in, and prepare for a mind-refreshing experience as we unveil techniques that will add a wave of brilliance to any Water department.

USDA WATER/WASTEWATER PROGRAMS

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

Many processes in both water/wastewater are impacted by these parameters. Alkalinity and pH are related but not the same. We will do a fun "demo" activity and discuss the chemistry. This course will clear up your confusion.

SPEAKERS

WEDNESDAY, MAY 8th

3:10pm - 4:00 pm

WATER METERS CAN'T FIND WATER MAIN LINE LEAKS, CAN THEY? YOU BET THEY CAN!

BALLROOM F / SPEAKER: JAKE WAIDMANN, KAMSTRUP

Learn how Utilities have discovered that integrated acoustic solutions within water meters, yes inside the water meters, are not only detecting leaks on service connections but on water main lines as well - at distances up to a half mile! Acoustic noise signatures record and proactively alerts Utilities of both existing and new or growing leaks within their entire distribution system. This solution includes no additional wires or radio systems, autonomously monitors 24/7, and is warranted for 20 years!

MANAGING YOUR SEPTIC AND GREASE HAULERS

BALLROOM G / SPEAKER: RICK ALLEN, BIOLYNCEUS

In this class, you will learn how to determine if you should be accepting discharges from these entities. During this program, we will be covering some of the important things you need to know when it comes to taking discharges from Septic Haulers, Chemical Toilets and Grease Pumpers. It will cover many of the issues these contaminants can bring to your facility.

What do these materials cost your plant in dollars and cents?

Suggestions for protocols and how to regulate these discharges. You will learn about ordinances you need to implement, today: Also, how and what you should be testing and what you should be charging for these concentrated discharges to your system. In this class Rick will discuss how to prevent illegal discharges to your system.

USDA - PROGRAM, ENGINEERING, AND NEPA TRAINING

BALLROOM H / SPEAKER: LAM HO, USDA RURAL DEVELOPMENT

This session intends to provide a briefing of available funding programs for water and wastewater projects; an overview of a project construction process using USDA-RD funds; and requirements for NEPA.

MATH FOR OPERATORS

BALLROOM I / SPEAKER: MATT RENCHER, PUBLIC WORKS DIRECTOR/ CITY ENGINEER AT THE CITY OF ELOY, ARIZONA

Prepare for your operator certification test by mastering basic operator math. This concise class will equip you with the fundamental mathematical skills essential for success in your certification exam, ensuring you're fully equipped to tackle many mathematical challenges that may arise.

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

This course will review the parts of centrifugal pumps and operating principals then cover the related math problems commonly found on the tests. Bring your math formulas and come practice problem solving.



4:15pm - 5:05 pm

DIVERSITY, PROGRESS AND THE FUTURE OF THE WATER INDUSTRY

BALLROOM F / SPEAKER: SARA CARROLL, AZ DISTRICTS SOLUTIONS

This class will have a panel of experts that have previously or currently work in the water industry that will share their stories of struggle and success working in rural communities. There will be opportunity for attendees to ask questions and give insight from their own experience overcoming obstacles. Join your industry peers in honest and inspiring dialog about the in's and outs of water districts and preparing for the next generation.

WATER SYSTEM BASICS AND THE EVOLUTION OF PRESSURE MONITORING TO BENEFIT DRINKING WATER UTILITIES

BALLROOM G / SPEAKER: JERRY LAWMAN & OREN STAINE, CLOW VALVE COMPANY / KENNEDY VALVE COMPANY

Drinking water utilities are continuously searching for ways to proactively monitor the system while improving resiliency. This presentation is designed to give a high-level overview of drinking water systems which includes the basics of hydraulics and pressure and an explanation of different technologies being developed to benefit drinking water utilities. It discusses how utilities can easily install and use remote pressure monitoring to identify hydraulic anomalies and events while reducing water loss and repair response time. This presentation also includes discussion on utilizing technology for the development of the EPA Emergency Response Plan and Risk and Resiliency Assessment, available industry resources from various organizations, funding opportunities and using technology to develop and calibrate water hydraulic models.

IS CYBER SECURITY FOR THE WATER AND WASTEWATER SECTOR?

BALLROOM H / SPEAKER: ROBERT STEA, NIST (NATIONAL INSITUTE OF STANDARS AND TECHNOLOGY)

MATH FOR OPERATORS

BALLROOM I / SPEAKER: MATT RENCHER, CITY OF ELOY

Prepare for your operator certification test by mastering basic operator math. This concise class will equip you with the fundamental mathematical skills essential for success in your certification exam, ensuring you're fully equipped to tackle many mathematical challenges that may arise.

OPERATOR GRADE 3 & 4 TRAINING

BALLROOM J / SPEAKER: MARTI BLAD, RWAAZ

This course will cover microbiology basics for both water and wastewater operators. Including, introduction to problematic filamentous organisms for Wastewater and an introduction to microorganism causing taste & odor challenges in Water.

Sponsor Highlight



Make sure to stop by our registration table to get yourself a raffle ticket!

Thank you Sponsors for helping our raffle be a success by donating tickets to your facilities.



Raffle tickets are \$5 each.



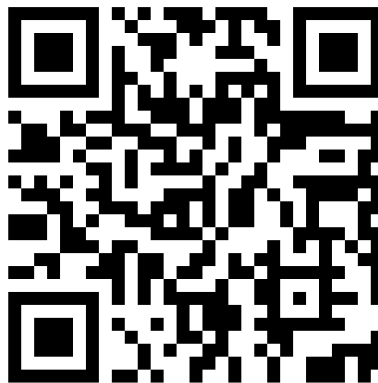
Thank you for attending our conference and showing your support. Your presence and engagement made the event a success. We hope you found it informative and valuable. Special thanks to our sponsors and partners for their support. We look forward to seeing you at future events.

Contact us

Info@rwaaz.org Office: (480) 982-0301

Please let us know how we did.

Scan here!



[Or Click Here!](#)
