



Rural Water Association of Utah

2015

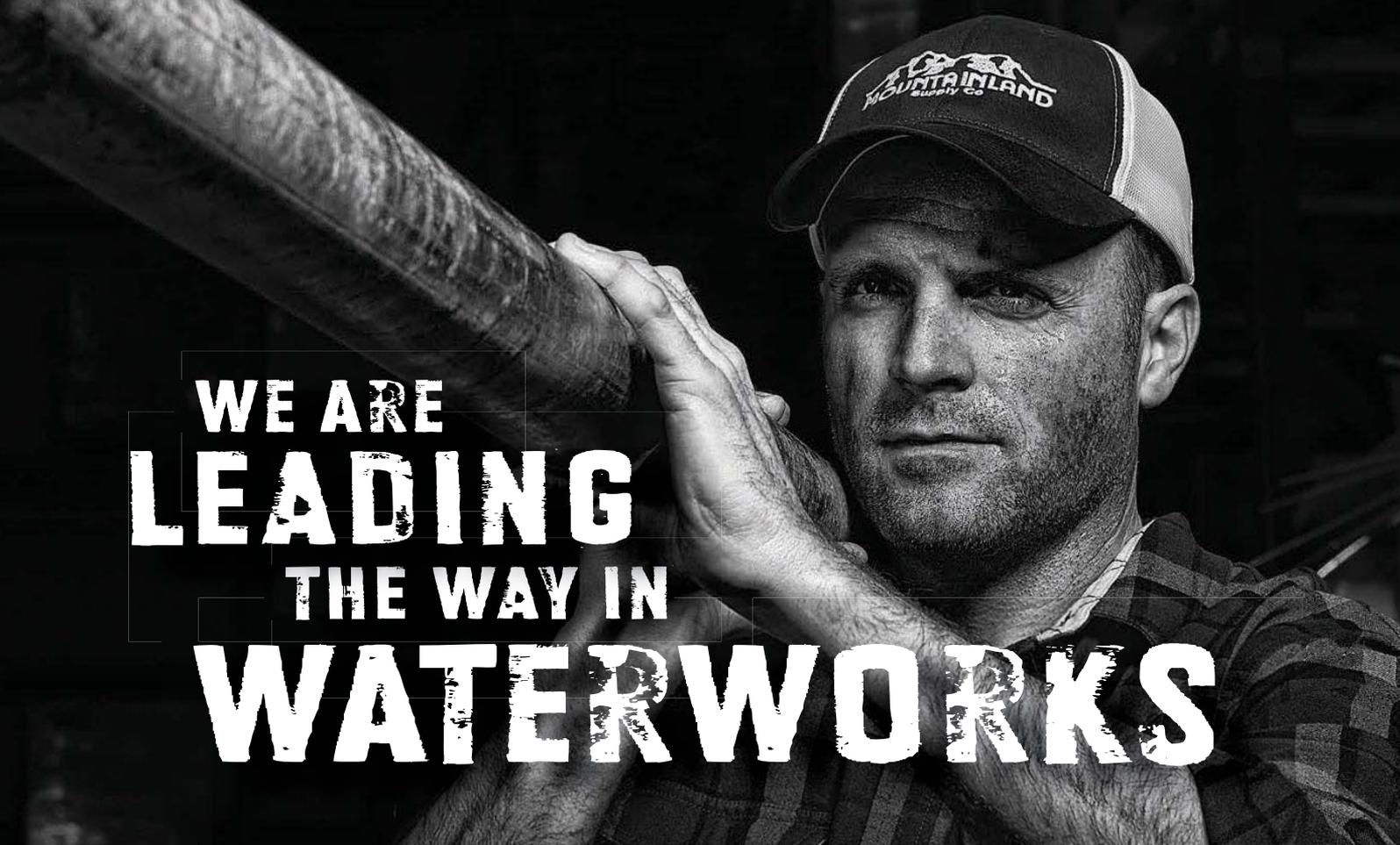
RWAU Annual Conference

FEBRUARY 23-27, 2015



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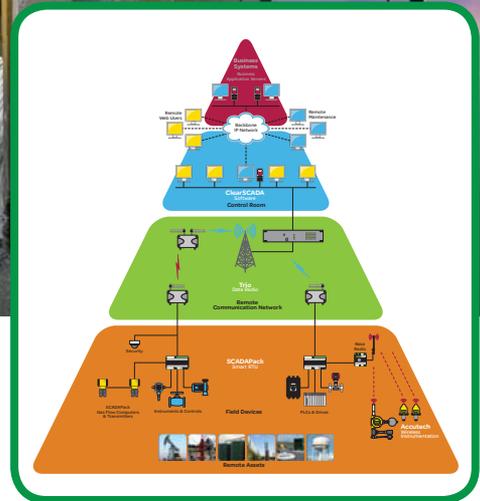
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2015 RWAU Annual Conference

FEBRUARY 23 - 27 | ST. GEORGE, UTAH



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Welcome to the 2015 Annual Conference!



We would like to extend a hearty invite and a warm welcome to everyone involved in the water and wastewater industry: come on out to the 2015 Rural Water Association of Utah Annual Conference! As the growing demands in our industry increase (often while the resources to meet these demands decrease) we have an increasingly difficult job on our hands. The public will always need and expect water to flow from their taps and used water to flow away from their drains and it is up to us to make that happen. How can we meet these demands? By being efficient with the resources we've got.

This year's conference will take a look at what we can do every day to maximize the resources we have and make us even better at what we do. There is only so much time, money, water, energy, and infrastructure to go around—let's make the most of it! From our full-day training on well maintenance to taking an in-depth look at how saving water and energy on your system can help your bottom line, if you want to maximize

your resources, then come join us! The 2015 Conference offers excellent training for CEUs, great networking opportunities, CCR completion, an opportunity to visit with the Division of Drinking Water, and (new this year) the Division of Water Rights for help with your Water Use Data Report. Plus this is a once-yearly chance to see the latest and greatest wares brought in by the best companies in our industry. We encourage the participation of everyone in the industry: from water and wastewater operators, to managers, elected officials and office personnel. Every role is important to make us as efficient and effective as possible. It takes all of us!

Use the form at the back of this booklet or our **ONLINE REGISTRATION SYSTEM** available on our website at www.rwau.net to register to attend. And while you are registering, be sure to take advantage of the awesome networking events we have this year. These include the golf scramble, the skeet shoot, the partner's program, and especially the

Awards Banquet on Wednesday. This highlight of the Conference is where we recognize you and your peers for doing outstanding work in the industry and going above and beyond for your customers. After the awards, and back by popular demand, we will get to hear from the **Bar J Wranglers** this year!

Another must-not-miss is the Voting Membership Meeting on Thursday at 10:30 in the Garden Room—your presence is a must! Come get the scoop on what's been happening in YOUR ASSOCIATION! And don't forget: EVERY SYSTEM needs to bring a sample of your water for the Best Water in Utah contest. You owe it to yourself to bring your water and give the contest a chance—you never know what could happen!

We look forward to seeing you in St. George for a week full of good food, good friends, and good learnin'! We'll see you there!

Sincerely,
Paul Fulgham
RWAU Board President



This Conference is brought to you in partnership with the Dixie Applied Technology College.



Conference Schedule At-a-Glance

Monday, February 23

12:00 pm	Operator Certification Registration Opens
1:00-5:00 pm	Water & Wastewater Operator Certification CLASSES BEGIN

Tuesday, February 24

7:00 am-6:00 pm	Exhibitor Set-up
7:30 am	Registration Opens
7:30-8:30 am	Donut / Juice / Coffee (North Lobby)
8:30-10:00 am	In-Depth Training / Water & Wastewater Operator Certification
9:00-4:00 pm	Golf Scramble (Sunbrook Golf Course)
10:15-11:45 am	In-Depth Training / Water & Wastewater Operator Certification
11:45-1:00 pm	Lunch (North Lobby)
1:00-2:30 pm	In-Depth Training / Water & Wastewater Operator Certification
2:45-4:15 pm	In-Depth Training / Water & Wastewater Operator Certification

Wednesday, February 25

7:30-5:00 pm	Registration
7:30 am	Exhibit Hall OPENS
7:30-9:00 am	Donut/ Juice/ Coffee (Exhibit Hall)
9:00-10:00 am	Training / Water & WW Op. Cert.
10:30-11:30 am	Training / Water & WW Op. Cert.
11:30-1:00 pm	Lunch / Exhibit Hall
1:00-2:00 pm	General Session (Garden Room)
2:00-2:15 pm	Break
2:15-4:15 pm	Training
7:00-9:00 pm	Awards Banquet (Ballrooms)

Thursday, February 26

7:30-3:45 pm	Registration
7:30 am	Exhibit Hall OPENS
7:30-9:00 am	Donut / Juice / Coffee (Exhibit Hall)
9:00-10:00 am	Training / Water & Wastewater Op. Cert Classes
10:30-12:00 pm	Voting Membership Meeting / Water Taste Finals
11:30-1:00 pm	Lunch / Exhibits (Exhibit Hall)
1:00 pm	Exhibit Hall CLOSED / Exhibit Take-down
1:00-2:00 pm	Training / Water & Wastewater Op. Cert Classes
2:00-5:00 pm	Drinking Water Board Meeting (Garden Room)
2:15-3:45 pm	Training / Water & Wastewater Op. Cert Classes
2:15-3:45 pm	Partner's Craft
3:00 pm	Skeet Shoot

Friday, February 27

7:30-8:30 am	Registration / Donuts / Juice / Coffee (North Lobby)
--------------	---

8:45-12:00 pm	Water & Wastewater Operator Certification Exam
8:30-9:30 am	Training Sessions
9:45-10:45 am	Training Sessions
11:00-12:00 pm	Training Sessions
12:00 pm	Evaluation Form & Dart Throw Prize Drawing Finale (Garden Room)
12:45 pm	Adjourn

CEU Count

In-Depth Training (Tuesday): 0.6
 Regular Conference (Wed/Thurs/Fri): 1.0
 Water Op. Cert. (Mon-Friday): 1.75
 WW Op. Cert. (Mon-Friday): 1.75
 Single Day(s): Varied (Each day will be
 calculated on the number of training
 hours offered that day.)

CEUs & Conferences

All of your ceu credits can be earned
 from conferences for both Water &
 Wastewater!



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Water Operator Certification

Monday, February 23 - Friday, February 27, 2015

To Participate:

First Register for the Certification Class

- Use the Conference Registration form or go online to www.rwau.net to register for the Water Operator Certification Class.
- The certification class is designed to train operators testing on all levels of certification for water treatment & distribution.
- Training sessions will run from Monday, February 23-Thursday, February 26.
- Classes will be held in the Sunbrook conference rooms.

PLEASE NOTE: The Operator Certification fee on the registration form pays for BOTH the certification class & the state exam fee but you still need to register separately for the exam!

Then Register for the Certification Exam

- The exam will be offered to all grade levels in DISTRIBUTION & TREATMENT
- Contact Shantell at the RWAU office to register to take the exam (801-756-5123 or sbantell.cummins@rwau.net)
- The exam registration DEADLINE is February 6, 2015 at 5:00 pm! (Please NOTE: The exam registration deadline is EARLIER than the deadline to register for the CLASS. The exam registration must be received NO LATER THAN 5:00 pm on Feb. 6th!)
- To take the exam, you MUST fill out a proof of citizenship form and have it NOTARIZED. This form must be submitted with your test application.
- The State will offer the exam during the Rural Water Conference on Friday, February 27, 8:45 am - Noon. The EXAM REGISTRATION DEADLINE is February 6th! If you plan on taking the Certification Exam at the conference, YOU MUST REGISTER FOR IT (separately from your conference registration) by contacting Shantell before FEBRUARY 6th!

Exam Details

The exam will be held:
Friday, February 27, 2015 | 8:45 am-12:00 noon

You will need

- Photo ID
- Notarized proof of citizenship form
- Two sharp #2 pencils
- A good eraser
- A nonprogrammable calculator
 - No programmable / text capable calculators or PDAs will be allowed
 - Solar-powered only calculators often do not work in the conference center lighting

There will be NO on-site registration for this test. Those not registered by the Feb. 6th deadline must wait for the next testing date to take the test or call RWAU (801-756-5123) to take the exam online at a later date.

Wastewater Operator Certification

Monday, February 23 - Friday, February 27, 2015

To Participate:

First Register for the Certification Class

- Use the Conference Registration form or go online to www.rwau.net to register for the Wastewater Operator Certification Class.
- The certification class will cover Lagoons and Levels I & II for Treatment & Collections.
- Training sessions will run from Monday, February 23-Thursday, February 26.
- Classes will be held in the Entrada rooms at the Conference.

PLEASE NOTE: The certification class fee covers the class costs ONLY and is payable to Rural Water. The class fee and the exam fee are SEPARATE fees. Pay the exam fee to the state. Pay the certification class fee to Rural Water.

Then Register for the Certification Exam

- Download an exam application from deq.utah.gov/certification/certification/wq/opcert/ and submit to DWQ with the fee. Questions? Contact Judy Etherington at (801) 536-4344. NO online registration or payments are available.
- The exam registration DEADLINE is January 30th at 5:00 pm! (Please NOTE: The exam registration deadline is EARLIER than the deadline to register for the CLASS. The exam registration & exam fee must be received by the Division of Water Quality NO LATER THAN 5:00 pm on Jan. 30!)
- A NOTARIZED proof of citizenship form must be on file with DWQ PRIOR to taking the exam.

The State will offer every level of the Wastewater Certification Exam during the Conference on Friday, February 27 from 8:45 am-Noon.

Exam Details

Exams will be offered to ALL GRADE LEVELS in COLLECTION, TREATMENT & LAGOONS.

The exam will be held Friday, FEBRUARY 27, 2015,
8:45 am-12:00 noon

You will need

- Photo ID
- Two sharp #2 pencils
- A good eraser
- Battery-operated, nonprogrammable calculator
 - No programmable / text capable calculators or PDAs will be allowed.
 - Solar-powered-only calculators often do not work in the conference center lighting.)

This testing opportunity is considered part of the regular spring testing session. You will not be allowed to take the same exam again in April.

Consumer Confidence Reports

Get your 2014 Consumer Confidence Report Completed Onsite!

For your convenience, Rural Water and the Division of Drinking Water will be available throughout the conference to help you complete your Consumer Confidence Reports for the 2014 calendar year. CCR appointments will be scheduled at the following times:

- Tuesday, February 24: 8:00 a.m. to 4:30 p.m.
- Wednesday, February 25: 9:00 a.m. to 4:30 p.m.
- Thursday, February 26: 8:00 a.m. to 4:30 p.m.
- Friday, February 27: 8:30 a.m. to 11:00 a.m.

Important: You must make an appointment in advance to complete your CCR at the Conference. Contact Maria or Shantell in the RWAU office (801-756-5123) *before February 15* to make an appointment. (If time permits, walk-ins may be accommodated, but those with appointments take precedence.)

What You Need To Bring:

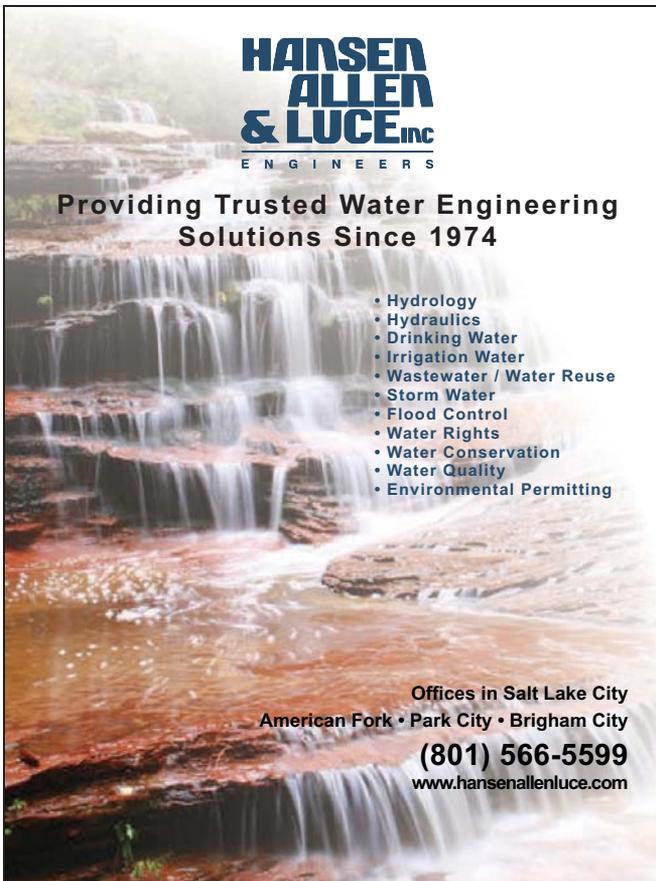
Last year's Consumer Confidence Report—on a USB flash drive if possible (Word & WordPerfect both supported—paper copy OK if necessary)

Your 2014 sampling records (the monitoring data needed for your CCR will be made available where possible by the Division of Drinking Water at the workshop.)

Please Note: If the Division of Drinking Water has not received all of your monitoring data for 2014, we will need to rely on your monitoring results to complete the report.

CCR Completion Location:

The Snow Canyon Room
(This is a Mezzanine Room overlooking the Exhibit Hall.)



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Division of Drinking Water Workshops

The Division of Drinking Water will be on hand in a few of the Conference Center Mezzanine Rooms to assist you however you need. See the assistance available and workshop times below. Who Should Schedule a Meeting? Any Public Water System with questions!

Workshop Times

Tuesday, February 24: 1:00 - 4:30 pm
Wednesday, February 25: 9:00 am - 4:30 pm
Thursday, February 26: 8:00 am - 4:30 pm

Bryce Mezzanine Room: System Report Updates

Division staff will be available in the Bryce Mezzanine Room to meet one-on-one with system staff for anything you may need. Possible topics for consultation include, but are not limited to, the following:

- Compliance Issues
- Stage 2 DBP Rule for all remaining systems who disinfect or receive disinfected water on Oct 1, 2013. Please consult with DDW staff if you have not submitted an IDSE report or Stage 2 sample site plan.
- IPS Report review and deficiency corrections
- Monitoring Schedule reviews and updates
- System Inventory reviews and updates
- Operator Certification issues
- Significant Deficiencies
- Corrective Action Plan assistance
- CEU updates, etc.

Zion Mezzanine Room: Updating Source Protection Plans & Division Consultation

The Division will be at the conference in the Zion Mezzanine room this year to help those systems whose updated plans are overdue to complete and submit their updates. There is some preparation before we can complete the updated plan, so contact Mark Jensen at 801-536-4199 or mjensen@utah.gov to get things started.

Source Protection Assistance

- Status of source protection updates
- PER status for new sources
- Source protection plans, etc.

The Division's engineering staff will be available in the Zion Mezzanine room to help those systems that have questions or need assistance. In some cases, we need to gather information in advance in order to assist the water systems.

For engineering consulting during the conference, please contact Heather Bobb at 801-536-0093 or hbobb@utah.gov before the conference. Or stop by the DDW booth to schedule a time with the engineering staff.

Engineering & Construction Assistance

- System infrastructure plan reviews & physical deficiencies
- Capacity reviews
- Funding assistance, etc.

Silver Reef Mezzanine Room: Cross Connection

The Division will be available in the Silver Reef Mezzanine room beginning Wednesday morning for a Cross Connection 101 classroom training from 9:00 am to noon. Then, Wednesday afternoon and Friday at noon in the same room, they will be hosting an open house Cross Connection Control workshop where you can schedule an appointment by meeting at the Backflow Table in the lower hall, then go up to work on all 5 components of your cross connection control program one-on-one with a Division of Drinking Water staff member. If you have an 'Authority Statement' or 'Ordinance' signed, please bring a copy to the meeting.

To Schedule a Meeting Call

Compliance Issues:
Ashley Farr 801-536-0070

Engineering & Construction:
Heather Bobb 801-536-0093

Source Protection:
Mark Jensen 801-536-4199

Cross Connection:
Mike Moss 801-536-0089

(Or visit the Division of Drinking Water booth during the Conference to schedule a time to meet With the DDW staff.)



Division of Water Rights Workshops

The Division of Water Rights will be on hand in the Pine Valley Mezzanine room to assist you in helping with filling out the annual water use data report.

Water Rights staff will be available to meet one-on-one with system staff to go over your individual systems to help provide instructions on how to fill

out the water use form accurately and discuss any other problems or questions you might have.

Workshop Times

Tuesday, February 24: 1:00 - 4:30 pm
Wednesday, February 25: 9:00 am - 4:30 pm
Thursday, February 26: 8:00 am - 4:30 pm

To Schedule a Meeting Call

Lazaro F. (Frank) Quintana
Water Use Program Manager
(801) 528-7223
frankquintana@utah.gov

Golf Scramble

Scramble Details

- 9:00 am Shotgun Start at the Sunbrook Golf Course
- 4-Person Scramble
- Entry fee is \$80 per golfer
- Entry Fee includes:
 - Continental Breakfast
 - Tee Time
 - Cart
 - Lunch
 - Giveaways

- Prizes
- Winners awarded prizes immediately following tournament
- Hole-in-One prize on every par 3, including a 4-wheeler hole!
Email Vern Steel (steel@rwau.net) with team preferences or for sponsorship opportunities. If you are a single golfer, you will be placed on a team.



Driving Directions

From the Dixie Center to the Sunbrook Golf Club (2336 West Sunbrook Drive):

- Head north on Dixie Drive
- Keep right at the fork, follow signs for 18 N N/Bluff St.
- Turn left onto UT-18 N/ Hwy 18 N
- Turn left onto the Interstate 15 S ramp to Las Vegas
- Keep right at the fork to continue toward Dixie Dr.
- Keep right at the fork and merge onto Dixie Dr.
- Turn left onto W Sunbrook Dr.
- Destination will be on the right

Hole in One Prizes

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Thomas Fuller

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Partner's Program

Wednesday, Thursday, Friday

The Partner's Program provides activities for the wife/spouse/partner/significant other of attendees at the Annual Conference. Registration includes access to the Exhibit Hall and all the training sessions, coffee/juice/donut each morning, and lunch on Wednesday & Thursday. Plus... the Partner's Program features door prizes just for you!

Wednesday, February 25

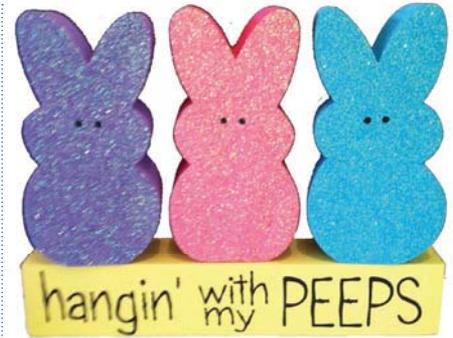
Motivational Speaker
2:15-4:15 pm, Garden Room
**I Love My Job,
It's the People I Can't Stand!**
Jody Urquhart, Motivational Speaker
Join us in this hilariously interactive, practical and inspiring motivational

speech that shows you how to develop healthy communication patterns with anyone. (See page 19 for full session description.)

Thursday, February 26

**Craft Workshop:
Hangin' with my Peeps!**
2:15-3:45 pm, Entrada A

If you love little bunnies and Easter, then this craft is for you. Sand, paint, glitter & tutti dot the eyes and you have a darling Easter decoration. (Oh, and don't forget to roll on the vinyl, "Hangin with my peeps"!) Come join us for a fun afternoon and bring home one of your own! Presented by Donna Birk, Manti, Utah



Door Prize Info

Drawings for all door prizes for the Partner's Program will be held during our Thursday craft session. You must be present to win!

Caricature Artist

Didn't have a chance to get your picture drawn last year?

You're in luck because we are bringing the caricature artist back again! Visit the Rural Water store (in the Hallway to the west of the Garden Room) on Wednesday or Thursday to get your free caricature picture drawn!

Rules:

This is a first-come, first served event
You must be there in person to have your picture drawn (the artist cannot draw caricatures from photographs etc.)

Hours:

Wednesday, Feb. 25: 8:00 am-4:00 pm
(our artist will break at lunch for one hour.)
Thursday, Feb. 26: 8:00 am-1:00 pm



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Awards Banquet

Wednesday, February 25 | 7:00 pm
Dixie Center Ballrooms

Don't miss your chance to attend the highlight of the Conference—the Awards Banquet! Enjoy a fabulous Dixie Center dinner, watch as your peers (or you!) are awarded for jobs well done in 2014, then enjoy the awesome entertainment provided by the ever-popular Bar J Wranglers!

Banquet Entertainment Back by popular Demand: The BAR J WRANGLERS!

Some folks call it a western music show; some call it a stand-up comedy show with masterful cowboy music; others call it the best musical experience in the west. Call it what you want to, the fact remains: The Bar J Wranglers from Jackson Hole, Wyoming, deliver some of the purest harmony, best musicianship and funniest ranch humor ever seen on stage. As soon as the Bar J Wranglers take to the stage, listeners leave behind their busy life and settle into a time long ago—a time of the singing cowboy.



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Water Taste Test Contest

Wednesday

(Water Check-in and Preliminary Judging)

Thursday

(Taste Test Finals)

Rural Water is looking for the best water in the state!

To Compete

Bring one quart of cooled water in a glass canning jar to the Annual Conference Taste Test registration desk by 12:00 pm, Wednesday, February 25, 2015.

Final Judging

Final judging will occur during the Voting Membership Meeting on Thursday, February 26th. Samples will be judged based on Taste, Smell & Clarity

The winner of the Best Water in Utah will go on to compete at the National Taste Test in Washington DC!

Rules

- Samples must be in a glass canning jar
- Each applicant is responsible for keeping their water cooled until the Wednesday deposit
- Systems of all sizes are eligible to enter
- All entries must meet state standards

Final Judging will be held Thurs., February 26 at 10:30 am during the Voting Member Meeting



Skeet Shoot

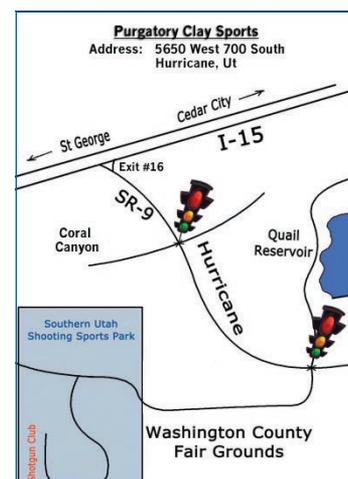
Purgatory Clay Sports

Southern Utah Shooting Sports Park Hurricane, Utah (Near fairgrounds in Hurricane—see map below.)

- Skeet Shoot will be held Thursday, February 26, 2015
- 3:00 pm: shooting starts-continues until dark
- \$30 per shooter for the first round, \$9 for each additional round
- You must bring your OWN Gun & Shells (Limited amounts of 12 & 20 gauge shoot guns are available for rent for \$10 onsite, first-come, first-served. Ammunition can also be purchased on site if needed.)
- Entry Fee includes Safety Glasses, Ear Protection & 50 Targets of either: Sporting Clays, 5-Stand, Trap or Skeet
- Shooting prizes will be awarded
- Sign up for the Skeet Shoot When You Register For The Conference
- You can register two shooters on the hard copy registration form—one Conference attendee and one “Skeet Shooter only” where applicable. Only one shooter can be registered at a time when using the online registration.
- Anyone attending the conference should register for the skeet shoot on his/her own registration form.
- Additional shooting rounds can be purchased on-site.

Driving Directions from St. George:

- Take I-15 North to Exit 16
- Go south on SR-9 to the 2nd set of stoplights
- Turn right (south) & follow the Southern Utah Shooting Sports Park signs



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Dart Throw & Birdie Ball for Prizes

Dart Throw: in the hallway behind the Garden Room, runs Tuesday - Friday

Birdie Ball: in the Exhibit Hall, runs Wednesday & Thursday

Prize Giveaway: Friday at Noon in the Garden Room

Don't miss out on the 2015 Research and Education Fund Dart Throw & Birdie Ball contest! We will have some GREAT prizes up for grabs this year—stop by the outskirts of the Garden Room to throw a Dart on Tuesday—Friday, or swing away at the birdie ball target in the Exhibit Hall on Wednesday & Thursday to earn drawing tickets! (All proceeds from the Dart Throw go toward the RWAU Research and Education Fund and are tax deductible.)

How to Play

Throw a Dart:

Visit the north hallway behind the Garden Room at the Conference Tuesday through Friday to check out the prizes and buy a dart to throw for tickets.

Chip the Ball:

Head in to the Exhibit Hall on Wednesday or Thursday and swing away at the birdie ball target to earn your tickets.

Win a Prize:

Put your ticket stubs in the prize buckets in the Garden Room hallway near the dart throw area and show up on Friday at noon to see if you won!

Prize Preview:

- 4 Wheeler
- Flat Screen TV
- GPS Unit
- Cabela's Gift Card

- Hunting Gear
 - Guns
 - Sporting Goods
 - Camping Gear
- And MUCH More!
Drawing held Friday at noon!

Sponsor Information

To sponsor a Prize call the Rural Water Office (801-756-5123) or visit the RWAU website at www.rwau.net!



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Conference Sessions

Monday, February 23, 2015

12:00 Noon

Registration OPENS

1:00 - 5:00

Water & Wastewater Operator
Certification Classes Begin

Water Classes: Sunbrook Room

Wastewater Classes: Entrada Room

Tuesday, February 24, 2015

7:00 am – 6:00 pm

Exhibitor Set-up

7:30 am

Registration Opens

7:30 – 8:30 am

Donut / Juice / Coffee (North Lobby)

9:00 – 4:00 pm

Golf Scramble (Sunbrook Golf Course)

8:30 – 10:00 am Sessions

Museum Auditorium

Energy Efficiency and Saving Your \$\$\$

Are you getting the most electrical bang for your buck on your water system? Energy is often the largest part of our water costs, and savings realized from what you learn in this session could fund your deserved pay raise, or even save you some interest money on that loan you need. This informative full-day seminar will examine in detail many methods to save significantly on your energy bills from simple operation techniques to system tune-ups and major improvements. Learn how to run pumps at different times and on different rate schedules and find out about Rocky Mountain Power programs available to assist you in the expenses of upgrades. We will also learn about State Energy efficiency programs, and demonstrate ways to finance major system improvements, where the loan payback can be solely based on your energy savings. Water is power, so become more empowered!

Doug Evans, Mountain Regional & **Ken Bousfield**, Division of Drinking Water

Ballroom AB

Keep it Pumpin': Well Operations, Maintenance and Rehabilitation

Wells provide a challenge to most cities as often unknown and unseen problems go undetected until it is too late. And for us this means trouble—like a well that is out of commission in the middle of peak production times. Attend this full-day session to go over the proper design, construction operations, maintenance, and rehabilitation of wells to keep them running as they should. We will cover all aspects of a well to make sure it continues to reliably serve your system now and into the future.

Mark Chandler, CRS Engineers

Ballroom CD

New Year, New Ways

This session will take a look at the ever changing ways that we repair and replace important parts of our systems, as well as new products that will allow us to make these repairs safely and efficiently.

Doug Riseden, Krausz USA

Ballroom E

**Microbial Samples:
What, Where, How and Why**

This half-day in-depth session will teach you all you need to know about samples including why we take them, what the rule requirements are, an overview of potential future requirements and the dos and don'ts of boil orders.

Pete Keers, Division of Drinking Water

Ballroom F

Aged Infrastructure in Your Community

America's Infrastructure Report Card for 2013 gives D's for water, wastewater, and roads. The reason for such low marks? The aging of the infrastructure. How much of your infrastructure is beyond its service life? How long can you expect that pipeline/road/pump/plant/etc. to last? What are the risks and dangers of "status quo"? Come take a look at how the costs of ongoing repairs compare to replacement, and what you can do to plan for replacement, refurbishment, and/or maintenance, as well as what kind of funding may be available to help with any needed improvements.

Marv Wilson, Sunrise Engineering

Sunbrook C

**(NEW SESSION FOR COUNTIES!)
ATTENTION COUNTY OFFICIALS:**

Commissioners, Planners, Zoning Administrators, Planning Commissions, & Health Departments

The planning process for small drinking water and wastewater systems is CRITICAL. What is the difference in a public system and a nonpublic system? Why do you need to know? What is your role in the proper development of non-public systems? Why are ordinances, rules, proper design, etc. so important? Attend this special day of training and find out the answers to these and many other questions.

We will start the day with a session on the consequences of poor water or wastewater development by **Michael Grange** with the Division of Drinking Water and continue from there. (Look for the session descriptions in Sunbrook C for the rest of the day's agenda!)

10:15 – 11:45 am Sessions

Museum Auditorium

Energy Efficiency and Saving Your \$\$\$

This session is a continuation of the Energy Session described above and will last all day Tuesday.

Doug Evans, Mountain Regional & **Ken Bousfield**, Division of Drinking Water

Ballroom AB

Keep it Pumpin': Well Operations, Maintenance and Rehabilitation

This session is continued from the Wells session described above and will continue all day Tuesday.

Mark Chandler, CRS Engineers

Ballroom CD

**Resolving Manhole &
Vault Water Infiltration**

Come learn about a new way patented process for repair of water and wastewater systems that reduces downtime, eliminates excavation, and provides precision results within hours—not days or weeks. The technique we will discuss uses geopolymers to address rehabilitation and resolve problems without excavation, even in wet conditions. We will cover infiltration & ex-filtration control, back-seal techniques, tank and pipe sealing, underground pipe rehabilitation, manholes, vaults, culverts, and soil stabilization.

Scott Paswaters, Concrete Stabilization Technologies, Inc.

Tuesday Sessions

Ballroom E

Microbial Samples: What, Where, How and Why

This is the second half of the Sampling session as described in the 8:30 session.

Pete Keers, Division of Drinking Water

Ballroom F

Contractor & Professional Service Procurement

This session will address the difference between “Contractor Services” and “Professional Services” as identified by Utah State Code. The discussion will include the common methods of hiring a contractor: what are the risks of the “low bid” selection process for contractors and what can be done to lower the system’s exposure to those risks? We will also cover common methods of hiring a professional service providers and what process best controls the risk as well as what is required by Utah State Code, what is Qualifications Based Selection (QBS) and how to write an appropriate RFP.

Marv Wilson, Sunrise Engineering

Sunbrook C

(NEW SESSION FOR COUNTIES!)

10:15 – 11:00 am

Proper Construction Standards and Public Drinking Water System Requirements

Ying Ying Macauley, Division of
Drinking Water

11:00 – 11:45 am

The Non-Public Rule / Ordinance

John Chartier & Scott Hacking,
District Engineers

11:45 am – 1:00 pm

Lunch (North Lobby / Garden Room)

1:00 – 2:30 pm Sessions

Museum Auditorium

Energy Efficiency and Saving Your \$\$\$

This session is a continuation of the Energy Session described in the 8:30 session and will last all day Tuesday.

Doug Evans, Mountain Regional & **Ken Bousfield**, Division of Drinking Water

Ballroom AB

Keep it Pumpin’: Well Operations, Maintenance and Rehabilitation

This session is continued from the Wells session described in the 8:30 session and will continue all day Tuesday.

Mark Chandler, CRS Engineers

Ballroom CD

Review of Water Reuse Practices in the State of Nevada

Water reuse practices vary throughout the State of Nevada. These practices are highly affected by water related challenges in Northern and Southern Nevada. While water reuse in Northern Nevada relies heavily in agricultural practices, water reuse in Southern Nevada is focused on obtaining return credits to supplement the region’s potable water source allocation. This session presents a review of the water reuse practices in Nevada including regulatory framework, current practices in the Northern and Southern Nevada, and examples.

Chris Machado PhD. PE. &
Cory Dow EL., Carollo Engineers

Ballroom E

Understanding Chlorine

Join Thatcher Chemical for a discussion on important chlorine safety facts, Cl2 Repair Kits, the properties of chlorine, the practical handling of chlorine and the main health hazards associated with chlorine. We will wrap up the discussion by addressing frequently asked questions about chlorine.

Jeff Zidek, Thatcher Chemical

Ballroom F

Changing Impact Fee Laws in Utah from an Engineers Perspective

Utah’s impact fee laws continue to be rewritten. Recent amendments to the law add significant new requirements for LOS, applicability to Private Entities, appeals to the Ombudsman, definitions on development approval authority of local districts and private entities, changes to notice requirements, and better definitions for costs. We will tackle the legal and engineering issues associated with these new laws and regulations and how they affect your water utility.

Don Olsen, Epic Engineering & **David B. Hartvigsen**, Smith Hartvigsen, PLLC

Sunbrook C

(NEW SESSION FOR COUNTIES!)

1:00 – 1:45 pm

The Non-Public Rule / Ordinance (Cont.)

1:45 – 2:30 pm

Septic Tank Density and the Effects on Groundwater

John Kennington, Division of
Water Quality

2:45 – 4:15 pm Sessions

Museum Auditorium

Energy Efficiency and Saving Your \$\$\$

This session is a continuation of the Energy Session described in the 8:30 session and will last all day Tuesday.

Doug Evans, Mountain Regional & **Ken Bousfield**, Division of Drinking Water

Ballroom AB

Keep it Pumpin’: Well Operations, Maintenance and Rehabilitation

This session is continued from the Wells session described in the 8:30 session and will continue all day Tuesday.

Mark Chandler, CRS Engineers

Ballroom CD

Free Preparedness Tools for Drinking Water and Wastewater Utilities

The U.S. Environmental Protection Agency will share tools that drinking water and wastewater attendees can use to prevent, prepare, respond and recover from all hazards. These tools will include the newly updated Vulnerability Self-Assessment Tool, Flood Resilience Guide and more.

Karen Edwards, EPA

Ballroom E

What is Behind the Number?

What is behind the number when you receive results from your lab? Learn about how data is generated and all of the supporting QC measures that back-up the result on your report. Gain an understanding of the highly regulated environmental lab. Learn about some basic techniques for reviewing data and what goes into data validation. Understand some of the technologies that are used to produce the number on your final report. Understand why what happens in the field is critical to the final number.

Paul Ellingson, Chemtech-Ford
Laboratories

Tuesday & Wednesday Sessions

Ballroom F

New Purchasing Rules & Ethics for Professionals

Rumors have circulated regarding significant changes to purchasing rules and ethics requirements for professional services such as engineering and legal counsel. Can we take our clients to lunch? Does this apply to our District Engineer? Are we required to put out an RFP? Come participate in this discussion to help sort out the facts from the fiction.

Clint Dilley, Epic Engineering & **David B. Hartvigsen**, Smith Hartvigsen, PLLC

Sunbrook C

(NEW SESSION FOR COUNTIES!)

2:45 – 3:30 pm

Agency Introductions... Who, What, & Why!!!

Come hear from the Public Utilities Commission, Local Health Departments, a Utah District Engineer, the State Division of Drinking Water, and the State Division of Water Quality

Bill Duncan, Public Utilities Commission, **Michael Grange**, Division of Drinking Water & **Paul Wright**, District Engineer

3:30 – 4:15 pm

A Review of the Protocol of the Entire Development Process: Making All of the Pieces of the Planning Fit Together (Water, Sewer, Roads, Easements, etc.)

Paul Hansen, Drinking Water Board Chairman & Paul Hansen Associates Engineering

Wednesday, February 25, 2015

7:30 am – 5:00 pm

Registration

7:30 am

Exhibit Hall OPENS

7:30 – 9:00 am

Exhibit Hall

Donut/Juice/Coffee

9:00 – 10:00 am Sessions

Museum Auditorium

Extreme Weather Planning

This past year many areas of the State have experienced drought and in the past several years water systems have had to respond to record flooding. Come hear about emergency planning for weather events that may be rare but have happened in Utah, as well as the best practices in preparing for these extreme events.

Kim Dyches, Division of Drinking Water

Ballroom AB

Control Valves Technology

Come learn about the latest in control valve technology and materials available in today's market. Among other things, this includes less maintenance and more problem solutions.

Ben Deaver, Rocky Mountain Valve & Automation

Ballroom CD

What are the New Phosphorus Limits for Wastewater Treatment?

The State of Utah has recently proposed nutrient removal standards for phosphorus for wastewater treatment facilities discharging to waters of the State. Find out how the new nutrient removal limits will affect your treatment system, when you are required to meet them and potential upgrades to your facility to meet those requirements. A case study of the Perry/Willard Wastewater Treatment Facility will be given as an example.

Scott Archibald, Sunrise Engineering

Ballroom E

Introduction to Water Hammer

Water system operators, administrators, and engineers often know about water hammer, but do not always understand the principles that can cause damaging water hammer pressures. Come learn about the hydraulic modeling tools available

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Wednesday Sessions

to assist in predicting extreme negative and positive pressures. These tools are capable of identifying when surge protection devices such as surge anticipator valves, surge tanks, or bypass valves are and are not appropriate.

Andrew McKinnon, Bowen Collins & Associates

Ballroom F UV Regulations and Limits

We have seen an increase in interest in using UV to treat drinking water sources in Utah. Are you considering adding a new process to treat a drinking source that is surface water, or under the direct influence of surface water, or has difficulty in bacteriological samples? Come to learn about the basics, regulations, and limitations of using UV for drinking water treatment.

Ying-ying Macauley & Bob Hart, Division of Water Rights

10:30 – 11:30 am Sessions

Museum Auditorium Water Conservation for Providers and Users

Water conservation is a growing concern in the western United States. Come learn the when's and why's of water conservation, including a roadmap for identifying water conservation opportunities. We will present case studies on water conservation programs around the country and discuss topics including water leak detection, direct installation of water conservation devices, energy and water saving programs, and increasing water conservation awareness.

Jim Fitzpatrick, CLEAResult

Ballroom AB How to Evaluate Mixing Within Storage Tanks

Active mixing can reduce the rate of disinfectant loss, lower the rate of DBP formation and, when combined with active ventilation, remove THMs from finished water. But because the amount of mixing power required involves complex parameters, considerable confusion exists as to how to evaluate tank mixers to achieve complete tank mixing. We will demonstrate complete blending, time to complete blending, and other methods to provide an accurate way to evaluate tank mixing technologies.

Nathan Miller, PAX Water Technologies

Ballroom CD Sewer Cleaning and Inspections

Come learn about the importance of cleaning and inspecting your sewer systems and maintaining your sewer systems.

Sheldon Teeples, RS Technical Services

Ballroom E Spring Redevelopment: Out of Sight, Out of Mind

For years, Helper City's springs had been neglected due to the belief that spring water is free. When the threat of losing their water supply due to assessed points from the State's latest sanitary survey, and the real possibility of being required to purchase water, the City administration realized what their "free" water was worth and took quick action. This presentation will cover the steps the City took to secure their asset.

Chad Brown, Franson Civil Engineers,
Dave Ariotti, District Engineer &
Gary Harwood, Helper City

Ballroom F Affordable Care Act Overview

This overview on the Affordable Care Act will include such issues as premium subsidies and income tax credits, Federal Market Place procedures and an enrollment guideline. We will also cover an Avenue H overview including information on the SHOP Exchange, competing premium and tax subsidies and 74 plan options. The Metallic Plans overview will include information on Platinum to Bronze, age 26 dependents, pediatric coverage requirements and preventative care. We will cap off our time with an overview of some new concepts such as defined contribution vs defined benefit, employee empowerment and increased responsibility, high deductible health plans and health savings accounts as well as provider network savings.

Matthew Spencer, Utah Private Health Exchange

1:00 – 2:00 pm Garden Room GENERAL SESSION

Agenda:
Presentation of Colors &
National Anthem

Welcome Address
Paul Fulgham, RWAU President

National Rural Water Update
NRWA Representative

Keynote Address
Jody Urquhart, Motivational Speaker

Keynote Address:
**The Nerve to Serve: Say Hello to
Humor &
Goodbye to
Burnout!**



Humor helps. The ability to laugh at life helps us deal with daily disappointments and setbacks. Humor

gives water professionals the nerve to serve in an increasingly chaotic and challenging environment. Join us as we demonstrate how humor helps you stay in control, stay positive, and maintain balance and perspective.

2:15 – 4:15 pm Sessions

Garden Room I Love My Job, It's the People I Can't Stand!

Join us in this hilariously interactive, practical and inspiring motivational speech that shows you how to develop healthy communication patterns with anyone. You can learn to handle the most difficult situations and the most challenging people by understanding more about personality styles and how to get through to others without giving in. Never again fall victim to those who love to make life miserable for the rest of us! Knowing how to deal with difficult people at work will allow you to approach your job with more enjoyment and your coworkers with greater confidence.

Jody Urquhart, Motivational Speaker

Museum Auditorium
Funding Panel: Agencies & Options
Need to do a project but have no idea where to get the money? This session has your answers! Our specialized team of panelists from each of Utah's funding agencies will present the options they

Wednesday & Thursday Sessions

have available to you and what you need to do to qualify. You can ask them your questions and get them answered, as well as learn what you need to know for your funding needs.

Funding Panelists & Agencies:

Michael Grange; Div. of Drinking Water
Jonathon Cook; Div. of Water Quality
Val Anderson; Div. of Water Resources
Debra Meyer; USDA Rural Development
Candace Powers; Community Impact Board
Jonathon Jones & Scott Blake; Bureau of Reclamation
Alex Buxton; Zion Public Finance
David Hanson; NRCS

7:00 pm

Dixie Center Ballrooms
Awards Banquet

Don't miss your chance to attend the highlight of the Conference—the Awards Banquet! Enjoy a fabulous Dixie Center dinner, watch as your peers (or you!) are awarded for jobs well done in 2014, then enjoy the awesome entertainment provided by the ever-popular Bar J Wranglers!

Banquet Entertainment



Some folks call it a western music show; some call it a stand-up comedy show with masterful cowboy music; others call it the best musical experience in the west. Call it what you want to, the fact remains: The Bar J Wranglers from Jackson Hole, Wyoming, deliver some of the purest harmony, best musicianship and funniest ranch humor ever seen on stage. As soon as the Bar J Wranglers take to the stage, listeners leave behind their busy life and settle into a time long ago—a time of the singing cowboy.

Thursday, February 26, 2015

7:30 am – 5:00 pm
Registration

7:30 am
Exhibit Hall OPENS

7:30 – 9:00 am
Exhibit Hall
Donut/Juice/Coffee

9:00 – 10:00 am Sessions

Museum Auditorium
Conserve Water without
Using Imposed Restrictions

Water Conservation is a necessity in Utah but imposing restrictions is

extremely ineffective. This presentation will explain many different ways to encourage residential water conservation and eliminate the need to place restrictions on use. Subjects will include effective education, metering, stepped water billing and soil moisture sensors.

Randy Marble, Chanshare, Inc.

Ballroom AB

Applying Variable Frequency Controllers
Attend this session to learn the proper applications for Variable Frequency Controllers on a water system. The “Where’s, When, How’s and Why’s” of using Variable Speed Control.

Scott Gordon, E.C.T. Sales and Service, Inc.

Ballroom CD

Do you know where your pipes are?

It is extremely valuable knowing where your infrastructure is! Whether you were there when the underground pipe was installed or not, if you have data that was collected with highly accurate GPS equipment it will be easy to find later. (Ideally the data will be collected when the trench is still open, otherwise it can be used with a locator device.) Come learn the basics of how to collect data and navigate to previously collected data using a high accuracy handheld GPS unit.

Tom Wussow, Monsen Engineering

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Thursday Sessions

Ballroom E

Hydrant and Valve Training Session

Come learn the manufacturing, history, and maintenance of fire hydrants and RW valves.

Kirk Stoltzner, EJ USA, Inc.

Ballroom F

Websites, Compliance & Customer Service - A Winning Combination

Join the discussion led by Rural Water Impact as they demonstrate how an affordable, cutting edge website, can assist you in complying with CCR requirements, run your office more productively & efficiently, provide a powerful communication tool to serve your customers AND save money—adding to your bottom line! Rural Water Impact is the leading provider in website solutions specifically designed to meet the needs of the rural water industry. With combined experience of over 40 years in the web design & waterworks industries, they understand the challenges you face in the day to day operation of your water systems.

Shannon Farmer, Rural Water Impact

10:30 am – 12:00 pm

Garden Room

Voting Membership Meeting

For the Voting Members

It is vital that you attend this meeting if you are a representative, employee, or member of one of the Rural Water Voting Member systems. (If you are not from a voting member system, you are still welcome to attend, you just cannot vote.) Come see what is in store for the Association in 2015 & watch as a panel of judges selects Utah's best tasting water—it could be yours!

AGENDA:

- A. Call to Order
- B. Determination of a Quorum
- C. Secretary's Report
- D. Treasurer's Report
- E. Reports of Committees / Directors
- F. Unfinished Business
- G. New Business
 1. Election of Directors
 2. Water Taste Test Conducted
 3. Scholarship Winners

10:30 am – 12:00 pm

Museum Auditorium

Large System Training Session

For those not involved in the Voting Member Meeting

Managing Corrosion on Aging Water Pipelines

Corrosion on water pipelines can have a significant impact on operations, maintenance costs, the ability to provide reliable service, and public perception. Identifying infrastructure at greatest risk can allow water operators to develop and implement proactive methods for managing corrosion and prioritizing corrosion control. Developing a corrosion control program will be outlined in this session.

Eric Llewellyn, Infinity Corrosion Group, Inc.

1:00 – 2:00 pm Sessions

Museum Auditorium

Effects of Fire and Debris Flow on the Watershed

Lightning-caused fire burned 48 thousand acres in Huntington Canyon watershed. Subsequent debris flows impacted water management by all water users. This presentation briefly describes some actions taken to meet water users' needs and preserve public safety.

Kyle Ekker, Emery County Sheriff's Office

Ballroom AB

Water Sector Emergency Response Tools

This session will cover various natural and man-made hazards that water and wastewater systems are vulnerable to, and a web-based tour of the tools that are available thru UT-DDW, UT-WARN, UT-DEM, EPA, and FEMA. This will include the EPA Response Protocol Toolbox and Water Contaminant Info Tool, and the FEMA sponsored Incident Command System (ICS) trainings. A review of the local, state, and Federal Disaster declaration process.

Pete Keers, Division of Drinking Water

Ballroom CD

Limiting the Lagoon

The Submerged Attached Growth Reactor (SAGR) has proven to be an effective nitrification module. The SAGR process allows lagoons to meet tight effluent ammonia limits (<1 mg/l, even in extreme cold climates). Adding an Anoxic

Submerged Attached Growth Reactor for denitrification provides TN Removal. While phosphorus removal is an established process, ongoing development work continues to aid lagoon-based processes. Come learn about them!

Todd Latchaw, Nelson Environmental Inc.

Ballroom E

Leak Detection

This one hour presentation will explain the theory and practices of leak detection on distribution systems, and types of leaks both common and rare, as well as current trends in the marketplace regarding the procedures and equipment employed in leak detection.

Tom Ruppenthal, Utility Services Associates

Ballroom F

Records, Documentation and Retention

Record keeping is an integral part of running a water or wastewater system office. But what is required, and what is recommended? Come to this class to learn the what, when, where and how of record keeping. Find out what you should record, what is the best method for doing so, how long should you retain those records and so forth. What is actually required by law and what is just good solid business practices?

Angie Morris, Hawkins, Cloward & Simister

2:15 – 3:45 pm Sessions

Museum Auditorium

Water Rights

Have questions about your water right? Need to know how to navigate the system, or just want to stay up to date on the latest in water rights? What about this new Water Right Certification Program you have been hearing about? Sounds like you had better drop in and get the latest on today's hot issues, hear what has happened in our recent legislative session that could affect you, and find out what you need to know to protect your water for the future.

Kent Jones, Division of Water Rights

Ballroom AB

Automatic Control Valves

This session will discuss the theory and operation of pressure reducing, pressure relief, level and pump control valves.

Thursday & Friday Sessions

It will also provide valuable troubleshooting and maintenance tips on these types of automatic control valves. We will attempt to answer the most asked questions involving the mysteries of how these valves operate.

Mike Landers, HyDec

Ballroom CD Bluffdale's Water Supply and Reuse System

Bluffdale has spent the past 5 years planning a water supply system to service the southern, undeveloped portion of the city, including a large single point water user. Come learn how the city was able to obtain an unusual funding source, install a water system (source, storage and delivery system) and develop a secondary reuse system that saved the city culinary water. We are all aware that water is a precious resource in Utah, and preparing for the future by innovatively planning your water system will serve your community well.

Brent Ventura, Horrocks Engineers

Ballroom E RWAU's Website & Resources and DDWs Online CEU Options & Screen Casts

RWAU's isn't just great for onsite help or training—we have lots of digital resources available as well. Certifications, cross connection, source protection,

development, management, wastewater, CCRs and Legislative info are just a few things you can find on the web page. Use our website, Facebook or Twitter to keep up-to-date with the upcoming trainings, conferences, industry jobs and new rules and regulations. Additionally, the Division of Drinking Water has online training presentations on various topics from rules training to sanitary survey training. Once you view the online presentation you can take a short quiz to gain CEUs. Come to see our new online presentations and how you can earn CEUs from your laptop! Be prepared to offer your ideas on online training that would best benefit your water system.

Kris Hunter, RWAU & Rachael Cassidy, Division of Drinking Water

Ballroom F Maximizing Your State Retirement Benefits

Your state pension plan is an incredibly rich retirement benefit. But will it be enough to support you throughout a potential retirement period of 20-30 years or more? Please come to this informative, educational workshop so you can understand how your pension works, and what you can be doing now beyond your pension to maximize your retirement benefits and retirement readiness!

Mike Wilson, Utah Retirement Systems

Entrada A Partner's Program Craft (See page 12 for details)

3:00 pm
Skeet Shoot (See page 14 for Details)

Friday, February 27, 2015

7:30 – 8:30 am
North Lobby
Registration / Donuts / Juice / Coffee

8:45 am – 12:00 pm
Water & Wastewater Operator Certification Exam

8:30 – 9:30 am Sessions

Museum Auditorium
Using GIS for Water Rights Maintenance
Researching and managing water rights has always been a tedious process requiring hours of research and expertise. Wouldn't it be nice to capitalize on such efforts and accurately map water rights and filter results that are of the utmost importance to your research within seconds? This presentation will illustrate some of the techniques and advantages of a cloud based GIS mapping system to do just that. Combining Water Analytics and Web GIS Mapping, water right stewards can visualize where their water right inventories are, prioritize what's most helpful, correct lingering problems that may be unknown, and formulate a plan to continually protect the water rights inventory for future municipal use.
Marv Wilson, Sunrise Engineering

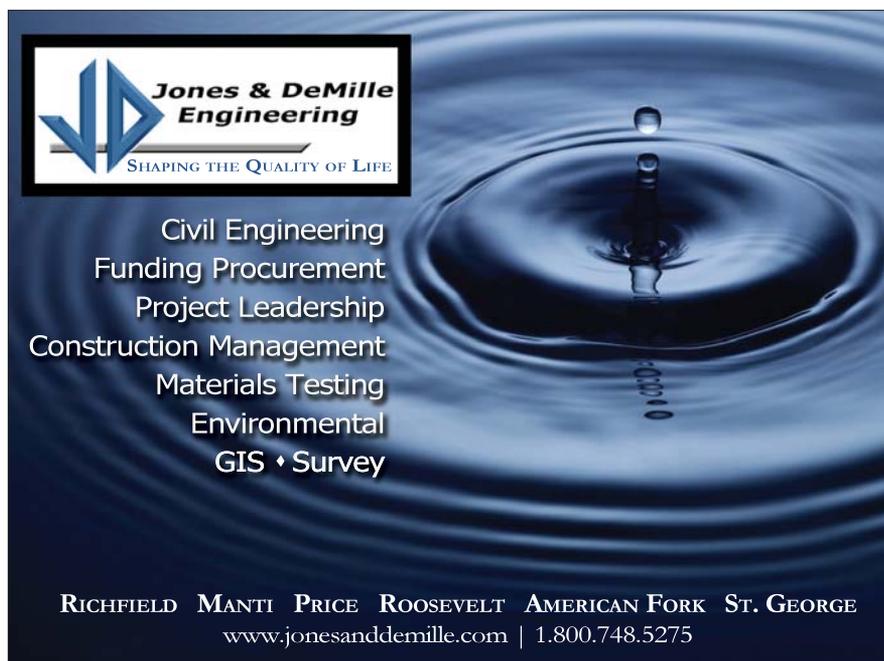
Ballroom AB Changes to the Public Water System Definition

The Division of Drinking Water is updating the definition of Public Water Systems (PWS) in Utah regulations. This session will discuss the rule amendment and how it will affect water systems and subdivisions served by water systems.

Ying-Ying Macauley, Division of Drinking Water

Ballroom CD Proposed UPDES Electronic Reporting Rule

How does the proposed UPDES Electronic Reporting Rule affect me? This proposed rule would require that NPDES regulated entities electronically



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Friday Sessions

submit the following permit and compliance monitoring information instead of using paper reports: Discharge Monitoring Reports (DMRs); Notices of Intent to discharge in compliance with a general permit; and program reports. It is anticipated that the proposed rule will save resources for states, and NPDES permittees—come learn all about it. **Matt Garn & Edith VanVleet**, Division of Water Quality

Ballroom E Water System Security and Cross Connection Control

Water distribution system integrity is based on the proper installation. However, with opportunity and availability, changes are made, approved and otherwise. Older systems are more susceptible to unplanned interconnections. These quickly affect the system integrity with used or unapproved water. Knowledge, understanding of components, management skills and vigilance allow a water authority to control their system and ensure protection through simple, manageable and enforceable steps. **Michael Moss**, Division of Drinking Water

Ballroom F Professional Communications

Professional communication involves how we create and exchange messages with others in an appropriate and effective way. Communication can come through face-to-face interaction, talking on the phone, social networking sites, email, and other forms of written communication. In this session you will learn the power of engagement, energy, and other physiological and psychological tools that will help you (personally and professionally) and your organization communicate effectively through the various communication channels we use today. **Brendan Dalley**, Dixie Applied Technology College

Entrada A Jar Testing

This two-part session on jar testing will include a live jar test demonstration that shows how to reduce both turbidity and TOC. We will review basic math and show how to verify that you are getting the best bang for your water treatment buck. This is a good review for those who do jar test and a great primer for those that want to

learn how to conduct jar tests for product selection for the best quality water with today's regulations. **Randy McIff**, Alpine Technical Services

9:45 – 10:45 am Sessions

Museum Auditorium Impact Fee Pitfalls

Under Utah law, both governmental and non-governmental culinary water providers must comply with the Impact Fee Act. This session will focus on how to make sure fees charged by water and wastewater treatment entities comply with the law and give tips on avoiding legal conflicts along the way. **J. Craig Smith**, Smith Hartvigsen, PLLC

Ballroom AB So You Have a Violation? What Happens Next?

Come hear from the Division of Drinking Water on how their enforcement processes work, including the lifecycle of a violation, ETT vs. IPS, AO vs. BCA (CA/EO) and CAP meetings. **Jennifer Yee & JJ Trussell**, Division of Drinking Water

Ballroom CD Dentist

This session will cover pretreatment 101 and the new dental amalgam rule that will apply to every dentist discharging to a wastewater treatment plant. **Jennifer Robinson**, Division of Water Quality

Ballroom E YOUR Safety First

I've got an unpleasant truth for you: nobody's got your back—but you! We

may all be in this together, but at the end of the day, you are the only one ultimately responsible for your safety. This presentation uses real life accidents and experiences to reinforce the important steps each of us must take to make sure we go home in one piece at the end of the day. **Jason Watterson**, Utah Local Governments Trust

Ballroom F Professional Communications

This session is continued from the Professional Communications session described in the 8:30 session. **Brendan Dalley**, Dixie Applied Technology College

Entrada A Jar Testing

This session is continued from the Jar Testing session described in the 8:30 session. **Randy McIff**, Alpine Technical Services

11:00 am – 12:00 pm Sessions

Museum Auditorium Time Management

One of my favorite songs contains the lyric, "The world ain't slowin' down." With our lives moving at breakneck speed and with technology beeping, buzzing and chirping at us 24/7, how can you learn to manage your time and not let it manage you? Take a break from your busy life! Come enjoy some home-baked chocolate chip cookies and learn some time management and stress relief tips and techniques that can change your life for the better. **Sydne Jacques**, Jacques & Associates

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Friday Sessions

Ballroom AB

Accessing Online Reports & the New Standard Reports

The Division of Drinking Water has altered the reports you know so well (Monitoring Schedule, Inventory, IPS etc.) This session will go over the changes that have been made and help you adjust to the transition. It will also give an overview of all of the Division's online reports available to assist in the management of your water system including electronic forms and mobile apps.

Colt Smith, Division of Drinking Water

Ballroom CD

Wastewater Reuse

The Clark County Water Reclamation District in Nevada has it down when it comes to wastewater reuse: they collect more than 90,000,000 gallons of wastewater every single day, 365 days of the year and treat 93 million gallons of wastewater on a daily basis, through physical, biological, and chemical treatment systems, to be reused or returned to the Las Vegas Wash. They also provide up to 7 million gallons of cleaned re-useable water for irrigation on golf courses and parks or industrial coolant use, which saves the

potable water for drinking. Come learn what Clark County is doing at their facility, and how you can do the same at yours.

Leanna Risso, Clark County Water Reclamation District

Ballroom E

Know What's Below.

Call 811 Before You Dig.

Blue Stakes of Utah is the statewide one-call notification center to contact and request underground utility lines be located and marked before excavation activities begin. Service is free of charge for home owners and excavators: participating utility companies pay the cost for the service. REMEMBER IT'S THE LAW—CALL 811 BEFORE YOU DIG!

Spence Felsted, Blue Stakes of Utah

Ballroom F

A Tour of Current Technology and Trends

Come get an overview of the technology available to you right now, and how you can use it to make your job easier and more efficient. We will look at what is available now and in the future, as well as what

it will take to convert to the latest technology—it may be easier than you think!

Steven Wittekiend, Dixie Applied Technology College

Entrada A

Membrane Filtration for Culinary Water Treatment

Ogden City is currently in the process of upgrading their existing water treatment plant. The existing sand filters, constructed in 1954, are nearing the end of their useful life. Come see why Ogden City chose to replace their sand filters with a membrane water treatment plant. This class will discuss the process of selecting a technology, selecting treatment plant manufacture and piloting the selected technology to prove the effectiveness and efficiency of the membrane.

Marv Wilson, Sunrise Engineering

12:00 pm

Garden Room

Evaluation Form &

Dart Throw Prize Drawing Finale

12:45 pm

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Exhibitors

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117	Airvac	574-527-1157
523	AllChem Performance Products	352-213-0121
309	Ambiente H2O Inc	801-532-4812
609	AmeriWest Water Services Inc	208-861-3410
506	Aqua Engineering	801-299-1327
508	Aqua Environmental Services Inc	801-209-6382
310	Aries Industries	800-264-7205
11	AVI Rocky Mountain	435-671-9583
111	AY McDonald	435-760-0703
425	BioLynceus	970-586-3391
603	Blake Sales Co.	801-930-5200
226	Blue Stakes of Utah	801-208-2116
520	Bowen Collins & Associates	801-495-2224
3, 4	C.H. Spencer	801-478-3446
715, 717	Chanshare, Inc.	435-854-3627
712	Chemtech-Ford	801-262-7299
806	Concrete Stabilization Technologies, Inc.	303-306-9191
513	Delco Western	801-972-0900
515	Delco Western	801-972-0900
802	DEWCO Pumps & Equipment, Inc.	303-232-6861
203	Ditch Witch of the Rockies	801-974-9600
HS 10	Division of Drinking Water	801-536-0089
HS 4	Division of Drinking Water	801-536-4200
5	Division of Drinking Water	801-536-4200
6	Division of Drinking Water	801-536-4200
HS 8	Division of Water Quality	801-536-4344
418	DN Tanks	619-270-4574
314	Dorsett Technologies	801-430-3443
10	Draeger Safety Inc.	801-928-1777
405	E.C.T. Sales and Service	801-417-5733
608	EarthFax Engineering Group, LLC	801-561-1555
406	Eco-EnergySystems Company LLC	801-542-9610
408	Eco-EnergySystems Company LLC	801-542-9610
316	EJ	801-698-3078
318	EJ	801-698-3078
320	EJ	801-698-3078
616	Empire West Pipe	801-812-2823
GR 5	Engineering America, Inc.	970-962-9400
413	Epic Engineering	435-654-6600
415	Epic Engineering	435-654-6600
410	Ferguson Waterworks	435-673-6896
509	Ferguson Waterworks	435-673-6896
407	Filter Tech Systems	970-254-2855
303	Flexamat	801-451-0830
223	Ford Meter Box Company, Inc.	801-458-6124
700	Franson Civil Engineers Inc	801-756-0309
700a	Franson Civil Engineers Inc	801-756-0309
707	G & S Sales	801-972-0659
709	G & S Sales	801-972-0659
519	Geneva Pipe	801-505-6294
503	GF Piping Systems	714-368-4112
324	Goble Sampson	801-268-8790
326	Goble Sampson	801-268-8790
424	Hach	801-599-5852
414	Harmsco Filtration Products	561-848-9628
102	HD Supply Waterworks	801-628-7970
201	HD Supply Waterworks	801-628-7970
202	HD Supply Waterworks	801-628-7970
301	HD Supply Waterworks	801-628-7970
305	High Country Fusion	208-293-9560
713	Holland Equipment	801-972-1601
525	Horrocks Engineers	801-763-5131
302	HyDEC Corp.	925-803-4646
401	HyDEC Corp.	925-803-4646

Booth	Company	Phone
502	Hydro Specialties Company	801-562-9130
601	Hydro Specialties Company	801-562-9130
5	ICS Sales	303-635-9888
GR 8	Industrial Process Technologies	303-975-9487
GR 9	Industrial Process Technologies	303-975-9487
804	Inman Interwest	801-557-4959
419	Intermountain Bobcat	801-262-0208
417	Intermountain Sales, Inc.	303-762-1070
420	Intermountain Sales, Inc.	303-762-1070
809	Intermountain Traffic Safety	801-972-6515
325	INTERNATIONAL WATER SCREENS	661-979-7206
109	Isco Industries	801-209-9420
GR 6	isiWEST	801-718-6518
GR 7	isiWEST	801-718-6518
504	Itron	612-719-1161
113	J-U-B Engineers	435-713-9514
115	J-U-B Engineers	435-713-9514
99	Jones & DeMille Engineering	435-896-8266
615	Kamstrup Water Metering	404-835-6716
104	LaTech Equipment	801-886-1145
805	Legacy Equipment Company	801-975-0400
205	Loughlin Water Associates, LLC	435-649-4005
423	Majestic Glove	801-558-9676
2	Master Meter inc	801-643-5891
800	MeterWorks	801-292-7900
801	MeterWorks	801-292-7900
119	Midco Diving & Marine	970-532-2128
702	Monsen Engineering	801-531-6505
213	Mountain Contractors Supply	801-224-6050
215	Mountain Contractors Supply	801-224-6050
217	Mountain Contractors Supply	801-224-6050
219	Mountain Contractors Supply	801-224-6050
409	Mueller Co	801-910-0806
GR 4	Nelson Environmental Inc.	204-949-7500
304	Nickerson Company, Inc.	801-973-8888
306	Nickerson Company, Inc.	801-973-8888
617	NKD Technologies, LLC	888-495-3076
614	Northtown Company	714-897-0700
323	Pall Corporation	607-758-1740
507	peck striping inc	801-965-9995
814	Pipeline Inspection Services	208-941-1733
106	Pollardwater	800-437-1146 x 207
116	Protection Engineering	801-785-1546
5	RAVEN PRODUCTS	208-631-0304
724	RED FLINT SAND & GRAVEL LLC	715-855-7600
12	Remote Control Systems Inc	801-268-1198
218	Rocky Mt Valves & Automation	801-438-1038
220	Rocky Mt Valves & Automation	801-438-1038
317	Rocky Mt Valves & Automation	801-438-1038
319	Rocky Mt Valves & Automation	801-438-1038
207	Romac Industries	801-458-5360
114	RS Technical Services	800-767-1974
817	Rural Water	801-391-7190
LLS 1	Rural Water	801-391-7190
505	Rural Water Impact	888-551-4815
124	Safety Supply and Sign	801-973-2266
126	Safety Supply and Sign	801-973-2266
501	Safety West Inc.	801-972-5800
602	Scholz Products Co, Inc.	435-635-4441
604	Scholz Products Co, Inc.	435-635-4441
701	Scholz Products Co, Inc.	435-635-4441
703	Scholz Products Co, Inc.	435-635-4441
216	SCI Automation	435-671-5088
13	SEMI SERVICE INC.	385-234-6222
14	SEMI SERVICE INC.	385-234-6222

Booth	Company	Phone
510	SKM Inc.	801-683-3760
416	Smith Hartvigsen PLLC	801-413-1600
110 209	Southwest Plumbing Supply	435-586-6464
517	Staker Parson Companies	801-409-9500
313 315	Sunrise Engineering	435-743-6151
402	Sunstate Equipment	801-364-4408
518	Swan Analytical USA Inc.	847-229-1290
807	Tank Industry Consultants	916-717-3608
812	Ten Point Sales	303-233-3883
1	The Water Title Guy, LLC	801-300-0755
118	TMMI	801-268-3216
308	Tnemec/Call Coating Consultants	801-282-2327
307	Traffic Safety Rentals	801-627-1970
610	TRIPAC	951-280-4488
120	Trumbull Industries	330-270-7851
618 620	Twin D Environmental Serv	801-771-3038
214	TYLER/UNION	720-480-6688
606	U.S.F Fabrication Inc.	971-246-2750
605	Underground Solutions	724-353-3000
705	US EPA Water Security Division	202-564-3797
224	USABlueBook	847-377-5162
HS 7	USDA Rural Development	801-524-4324
GR 3	Utah Disaster Kleenup	801-553-1010
HS 9	Utah League of Cities & Towns	800-852-8528
619	Utah Local Governments Trust	800-748-4440
404	Utah Office of Energy Development	801-538-8683
607	Utah Retirement Systems	801-366-7491

Booth	Company	Phone
GR 1 GR 2	Utility Coatings & Fabrication	801-280-1930
225	Utility Management Systems	801-486-7700
121	UTILITY SERVICES ASSOCIATES	206-244-0370
123 125	Val Kotter & Sons Inc.	435-734-9598
719	Vermeer Rocky Mountain	801-975-1216
9	VFC	801-292-2956
8	VFC /Mission	425-698-3030
108	VSL	303-456-9887
720	Wasatch Barricade	801-660-9917
403	Water Remediation Technology LLC (WRT)	303-424-5355
103 105	Water Services	801-705-4567
514 516 613	Waterford Systems	801-463-9900
722	WesTech Engineering, Inc	801-290-5633
107	Western Engineering	801-268-3333
6 7	Western Water Works Supply Co.	909-630-6083
426	Wise Safety and Environmental	801-978-3755
803	WL Plastics Corp	682-831-2726
100 101	Wm. H. Reilly & Co	801-201-3121
204 206 208 210 816	WR White Supply	801-626-1314
HS 1 HS 2	Zions Bank Public Finance	801-844-8369

Copies of finalized map / booth locations will be given out at the Conference

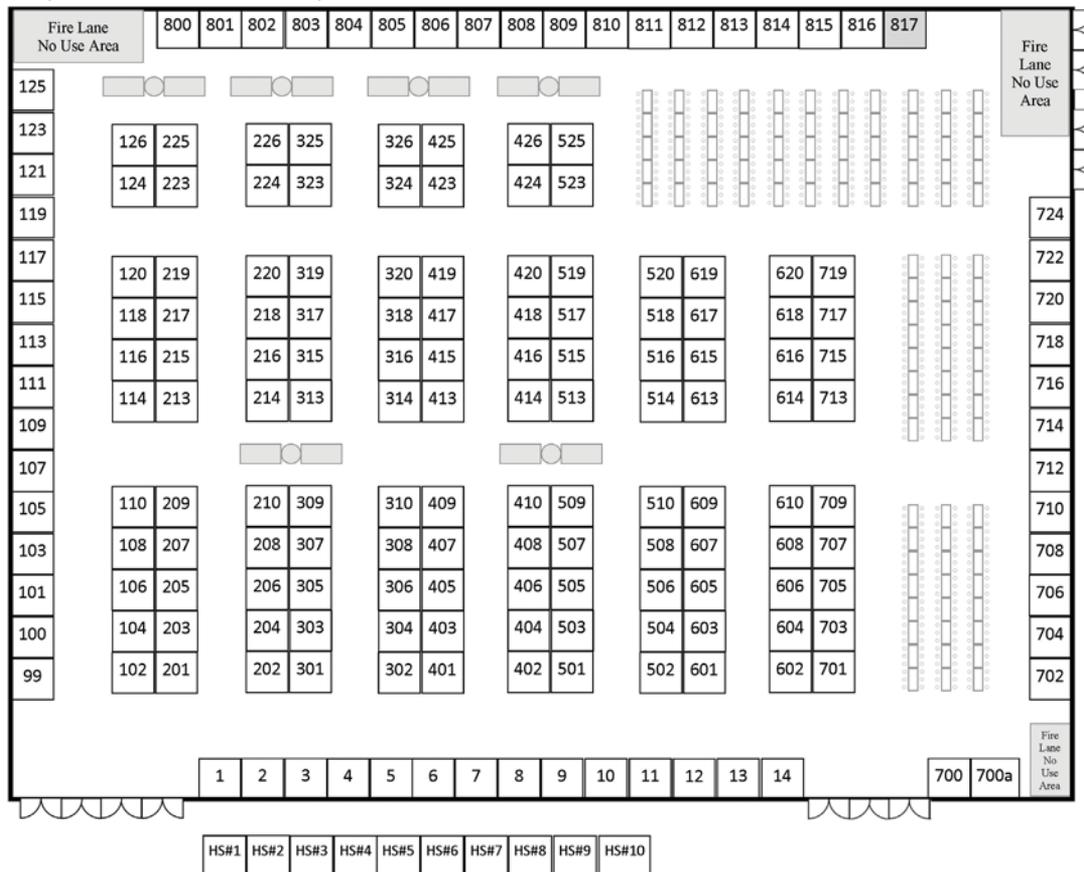


Exhibit Hours
Wednesday
 7:30 am-4:00 pm &
Thursday
 7:30 am-1:00 pm

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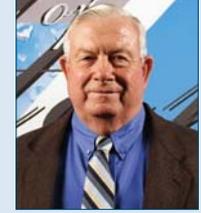
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Boyd Workman
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Brian Pattee



Training Supervisor
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Education & Exams
Shantell Cummins



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Maria Sanders

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Advanced Registration Form

Rural Water 34th Annual Conference (February 23—27, 2015)

Name _____ System/Company _____
 Business Address _____ City _____
 State: _____ Zip _____ Phone _____ E-mail _____

Registration Options	Member	Nonmember
Full Conference (1 registration) Tuesday's In-Depth Training; All Regular Conf. Sessions; Awards Banquet; Exhibit Hall	<input type="checkbox"/> \$340	<input type="checkbox"/> \$440
Regular Conference (1 registration) All Regular Conf. Sessions; Exhibit Hall. DOES NOT INCLUDE Tues. Training or Awards Banquet	<input type="checkbox"/> \$210	<input type="checkbox"/> \$310
Water Operator Certification Class* (Begins Feb. 23 @ 1 pm) Certification Classes; Test Fee; Review Book; Exhibit Hall; Awards Banquet <i>*You MUST contact Shantell @ 801-756-5123 by February 6, 2015 to register to take the water certification test!</i>	<input type="checkbox"/> \$440	<input type="checkbox"/> \$540
Wastewater Operator Certification Class* (Begins Feb. 23 @1 pm) Certification Classes; Review Book; Exhibit Hall; Awards Banquet <i>*Wastewater Test registration & fee must be sent directly to DWQ NO LATER THAN Jan. 30, 2015! Download an exam application from deq.utah.gov/certification/wq/opcert/ and submit to DWQ with the fee. Contact Judy @ 801-536-4344 with questions.</i>	<input type="checkbox"/> \$340	<input type="checkbox"/> \$440
Tuesday's In-Depth Training	<input type="checkbox"/> \$105	<input type="checkbox"/> \$155
Wednesday Only (DOES NOT include Awards Banquet)	<input type="checkbox"/> \$105	<input type="checkbox"/> \$155
Thursday Only	<input type="checkbox"/> \$105	<input type="checkbox"/> \$155
Friday Only	<input type="checkbox"/> \$80	<input type="checkbox"/> \$105
Partner's Program (1 registration) Partner's Craft; Access to Training Sessions; Exhibit Hall (DOES NOT include Awards Banquet) Partner Name _____	<input type="checkbox"/> \$90	<input type="checkbox"/> \$115
Awards Banquet Wed., Feb. 25 Dinner, Awards Ceremony & Entertainment	<input type="checkbox"/> \$40 x _____	
Golf Scramble Tues., Feb. 24 (E-mail steel@rwau.net with questions or to sponsor)	<input type="checkbox"/> \$80	
Skeet Shoot Thursday, Feb. 26, 3:00 pm until dark Additional Shooter Name(s) _____	<input type="checkbox"/> \$30 x _____	
Additional Meals	<input type="checkbox"/> Wed. Lunch \$20 x _____ <input type="checkbox"/> Thurs. Lunch \$20 x _____	
Late Fee (Applies if you are registering after February 13, 2015)	<input type="checkbox"/> \$25	
PAYMENT TOTAL		\$ _____

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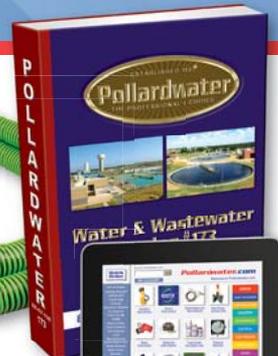


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