Hello All,

Summer is here and we’re all feeling it. But I will refrain from sharing my thoughts on global warming. As we reach these triple digit days, remind your field employees to watch for signs of heat exhaustion and heat stroke. Look out for one another so everyone can go home safely every day.

Speaking of heat, we had our annual Moab Summer Retreat in June. We had a record turnout this year. It was great to see everyone there and we hope to continue to see more of you join us. This is a great opportunity to bring your families to enjoy the Friday evening BBQ and ATV run on Saturday.

I recently saw something that gave me a chuckle. I thought I’d share.

The Contractor’s Dictionary

Contractor: A gambler who never gets to shuffle, cut, or deal
Bid Opening: A poker game in which the losing hand wins
Bid: A wild guess carried out to two decimal points
Low Bidder: A contractor who is wondering what he left out
Engineer’s Estimate: The cost of construction in heaven
Project Manager: The conductor of an orchestra in which every musician is reading different music
Critical Path Method: A management technique for losing your shirt under perfect control
Strike: An effort to increase egg production by strangling the chickens
Delayed Payment: A tourniquet applied at the pockets
Completion Date: The point at which liquidated damages start
Auditor: A person who goes in after the war is lost and bayonets the wounded
Lawyer: A person who goes in after the auditors and strips the bodies

Registration is now open for the Annual Conference in Mesquite on January 3-5. We will again be holding the annual golf tournament and skeet shoot for those that wish to join. Don’t forget to register soon for the conference at early bird rates and book your rooms at the Casablanca. More information can be found on our website at www.utahgroundwater.org/events. We’re excited to see everyone there again and we welcome any new members and guests!

Casey Curtis, ccurtis@hydroresources.com
President UGWA

As a member of the UGWA, you will have many opportunities to network with other members, share ideas, techniques, and in some cases, even equipment. To build friendships that will last a lifetime and relationships that will ensure a strong and stable future for your business and interests in the Ground Water Industry here in the Great State of Utah.
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C. TECHNICAL:  Any hydrologist, geologist, or engineer involved in teaching, research, consulting and or government services associated with the ground water industry.

D. ASSOCIATE:  Any person engaged in the support of the UGWA who does not accurately fit in any of the above.
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UTAH GROUNDWATER CONFERENCE

Tuesday & Wednesday, August 15 & 16, 2023
Utah Valley Convention Center
220 West Center St., Suite 200, Provo, UT 84601

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The objective of American Ground Water Trust conference programs is to showcase topical and/or controversial groundwater issues and to facilitate information sharing among landowners, groundwater end-users, regulators, management agencies, scientists, engineers, lawyers, and citizens who have economic or environmental interests in water resources.

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Pending approval for UT Attorneys
Certificates are available for all attendees upon completion of CE Form

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SCHEDULE

Tuesday, August 15

7:30-8:20 am  Registration

8:20-8:30 am  Welcome and Overview of August 15th Presentations
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Groundwater Trust, Pinetop, AZ

Moderated by  TBD

8:30-9:00 am  Water in Utah: Navigating the Present and Shaping the Future
R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT

9:00-9:30  The Groundwater Relationship with Great Salt Lake
Lynn de Freitas, Executive Director, Friends of Great Salt Lake, Salt Lake City, UT

9:30-10:00 pm  Keynote Presentation
Saving the Great Salt Lake: Challenges and Opportunities
Brian Steed, Executive Director, Utah State University, Janet Quinney Lawson Inst. for Land, Water, and Air, and Great Salt Lake Commissioner, Logan, UT

10:00-10:30 am  Break and Exhibitor Introductions

10:30-12:00 pm  Policy Trends in Groundwater
Moderator: Jonathan S. Clyde, JD, Of Counsel, Clyde Snow, Bend, OR
Panel: TBD

12:00-1:00 pm  Lunch (provided)

1:00-1:30 pm  Makes Sense to Me. Why Don’t You Understand?
Shawn Harkness, Account Manager, CVStrategies, Phoenix, AZ

1:30-2:30 pm  Effective Science Communication: Frameworks for Success
Kate Vitti, Community Outreach Coordinator & Dane Crowton, Public Programs Coordinator, Natural History Museum of Utah, Logan, UT

2:30-2:50 pm  Break
Moderated by  TBD

2:50-3:20 pm  Utah’s Roadmap for PFAS Regulation in Drinking Water and a Statewide Update
Sarah Page, PhD, Lead Drinking Water Treatment Specialist, Division of Drinking Water, Salt Lake City, UT

3:20-3:50 pm  PFAS and Drinking Water Source Protection in Park City, Utah
Bill Loughlin, PG, Loughlin Water Associates, LLC, Park City, UT

3:50-4:20 pm  PFAS – Treatment Options and O&M Cost Considerations
Cathy Swanson, Groundwater Remediation Specialist, Purolite LLC, an Ecolab Company, Fullerton, CA

4:20-5:00 pm  Student Presentations
Improved End Member Mixing Analysis (EMMA): Application to a Nested Catchment, Provo River, Northern Utah
Alyssa Thompson, Graduate Student, Geology Dept., BYU, Provo, UT

Using Automated Seepage Meters to Quantify Surface Water Influence on Hidden Valley Springs
Tyler Yokelovich, Senior Environmental Geoscience Student, University of Utah, Salt Lake City, UT

5:00-6:00 pm  Reception

Wednesday, August 16

7:30-8:20 am  Registration

8:20-8:30 am  Summary of August 15th Presentations
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Groundwater Trust

Water Management
Moderated by  TBD

8:30-9:00 am  Coordinating on the Future of the Colorado River – Basin States Discussions Update
Chuck Cullom, Executive Director, Upper Colorado River Commission, Midway, UT

9:00-9:30 am  Filling the Water Availability Data, Modeling, and Trends Gaps on the Upper Colorado River Basin
Olivia Miller, Hydrologist, USGS-Utah Water Science Center, Salt Lake City, UT

9:30-10:00 am  Stretching Limited Resources to Serve Growing Communities
Zach Renstrom, General Manager, Washington County Water Conservation District, St. George, UT

10:00-10:30 am  Break and Exhibitor Introductions
Moderated by  TBD

10:30-11:00 am  When Groundwater Discharge Degrades Surface Water Quality: Pah Tempe and Midway, UT
Steve Nelson, Professor, College of Physical and Mathematical Sciences, BYU, Provo, UT

11:00-11:30 am  Groundwater Management Plans - Staying Within Safe Yield
Teresa Wilhelmsen, PE, State Engineer, Utah Division of Water Rights

11:30-12:00 pm  Evaluation of Groundwater Resources in the Spanish Valley Watershed, Grand and San Juan Counties, Utah
Melissa Masbruch, Hydrologist, USGS-Utah Water Science Center, Salt Lake City, UT

12:00-12:30 pm  Utilizing Virtual and Real World Hydrogeology--Where Theory and Application Meet
Mark Chandler, PE, PG, CFM, Principal, CRS Engineering and Surveying, Salt Lake City, UT
12:30-1:30 pm  Lunch (provided)

1:30-2:00 pm  Agricultural Water Optimization Program Overview
Hannah Freeze, Ag Program Optimization Program Manager, Utah Dept. of Ag and Food, Taylorsville, UT

2:00-3:30 pm  What the Well are we Doing? From Design to Treatment.
Moderator: Jeremy Kuhn, Director-North America, Roscoe Moss, Phoenix, AZ
Panel:
- Chris DeKover, PG, Hydrogeologist, Bowen Collins & Associates
- Clayton Thayer, Business Development, KP Ventures Drilling & Pump
- Norman Howard, Western Sales and Technical Support, Cotey Chemical Corporation

Moderated by  TBD

3:30-4:00 pm  Probing the Aquifer-Clay Boundary: Using Long-Screened Test Wells for Contaminant Detection MAR and Recovery Projects Groundwater Exploration, and for Municipal Well Supply Assets
Noah Heller, PG, President, BESST Inc., San Rafael, CA

4:00-4:30 pm  ASR/MAR in Utah: What We’ve Accomplished and Where Do We Go From Here?
Neil Burk, PG, Senior Project Manager/Hydrogeologist, LRE, Salt Lake City, UT

4:30-5:00 pm  Provo Managed Aquifer Recharge: Planning to Permitting
John Greer, Sr. Hydrogeologist, Barr Engineering, Minneapolis, MN and John Jansen, Sr. Hydrogeologist, Collier Geophysics, West Bend, WI

5:00 pm  Door Prize Awards
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