



EDUCATION, AWARENESS, & TECHNOLOGY

# UTAH GROUNDWATER CONFERENCE

August 6 & 7, 2024

University Guest House & Conference Center  
110 S. Fort Douglas Blvd., Salt Lake City, Utah 84113

## PROGRAM

### Groundwater Champions



# Welcome to the 2024 Utah Groundwater Conference!

The objective of American Ground Water Trust conferences 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.

## Continuing Education

Program approved by Utah DNR for 12.25 credits for Ut Well Drillers

Program pending approval for Drinking Water Operators

Certificates are available for all attendees upon completion of CE Form

## Tuesday, August 6

- 7:30-8:20 am **Registration & Refreshments**
- 8:20-8:30 am **Welcome and Overview of the Utah Groundwater Conference**  
Sara Chudnoff, PG, Executive Director, American Ground Water Trust, Pinetop, AZ
- Moderator** Scott Warner, PG, CHG, CEG, Principal Hydrogeologist, BBJ Group, San Rafael, CA
- 8:30-9:00 am **Water in Utah: Continuing to Navigate the Present and Shaping Our Future Water Demands**  
R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT
- 9:00-9:30 am **The Secret Sauce for Successful Collaboration for NGOs in Water Management**  
Kyle Roerink, Executive Director, Great Basin Water Network, Las Vegas, NV
- 9:30-10:00 am **Great Salt Lake Collaborative: Engaging Journalists and Scientists to Improve Water Coverage**  
Heather May, Director, Great Salt Lake Collaborative, Salt Lake City, UT and Anna McEntire, Director, Janet Quinney Lawson Institute for Land, Water, and Air, Utah State University, Logan, UT
- 10:00-10:30 am **Break and Exhibitor Introductions**
- 10:30-11:10 am **Update of the Great Salt Lake Strike Team**  
Moderator: Tim Hawkes, General Counsel, Great Salt Lake Brine Shrimp Cooperative, West Haven, UT
- Panelists:
- Laura Vernon, Great Salt Lake Coordinator, Utah Department of Natural Resources, Salt Lake City, UT
  - Beth Neilson, PhD, Professor of Civil and Environmental Engineering, Utah State University, Logan, UT
  - Bill Johnson, PhD, Professor of Geology and Geophysics, University of Utah, Salt Lake City, UT
  - David Tarboton, PhD, Director of Utah Water Research Laboratory, Utah State University, Logan, UT
- 11:10-11:55 am **A Connection Between Water Resource Vulnerability and Air Quality: Lessons From the Western USA**  
Scott Warner, PG, CHG, CEG, Principal Hydrogeologist, Dan McHale, Senior Hydrogeologist, BBJ Group, San Rafael, CA and Phil Kiddoo, Chief Air Pollution Control Office, Great Basin Unified Air Pollution Control District, Bishop, CA
- 11:55-1:10 pm **Lunch (provided)**
- 1:10-2:00 pm **KEYNOTE**  
**What Got You Here Won't Get You There: The Evolution of PFAS Regulation and Remediation**  
Seth Kellogg, PG, Senior Principal Geologist, Geosyntec Consultants, Ringoes, NJ
- PFAS present a unique challenge through a combination of widespread domestic and industrial use and regulatory standards which are orders of magnitude below conventional contaminants. As our understanding of PFAS chemistry, properties and distribution has evolved, so have our approaches to investigations and remediation. The environmental industry has adapted and developed tools and techniques to address the challenges of this new class of chemicals. This presentation will provide an overview of what we have learned, how we need to think differently about PFAS sites, and what could be coming next.*

2:00-2:45 pm **Words Matter: How to Talk About PFAS**  
Shawn Harkness, Director of Multimedia, CV Strategies, Inc., Phoenix, AZ

2:45-3:15 pm **Break**

**Moderator** Shawn Harkness, Director of Multimedia, CV Strategies, Inc., Phoenix, AZ

3:15-3:45 pm **Uncovering the Flow of Funding for PFAS Projects: Experiences in Acquiring Funds for the Remediation of Emerging Contaminants in Water and Demystifying the Available Financing and Funding Opportunities From Federal, State, and Local Programs.**

Gail E. Lalla, Associate/Business Development Manager, T&M Associates, Middleton, NJ

3:45-4:15 pm **Park City, UT Promotes Ski Fluoro Wax Free Due to PFAS Contamination in Drinking Water Wells**

Michelle De Haan, Water Quality and Treatment Manager, Park City, UT

## Wednesday, August 7

7:30-8:25 am **Registration and Refreshments**

8:25-8:30 am **Summary of August 6 Presentations and the American Ground Water Trust**  
Jeremy Kuhn, Director-North American, Roscoe Moss/AGWT Board Member, Phoenix, AZ

8:30-9:00 am **Groundwater Investigations Throughout Utah Facilitated by the U.S. Geological Survey at the Utah Water Science Center**  
Tom M. Marston, Supervisory Hydrologist, Studies Section, Utah Water Science Center, Salt Lake City, UT

9:00-9:30 am **Recent and Current Projects at the UGS Groundwater and Wetlands Program**  
Hugh Hurlow, Senior Scientist/Program Manager, Groundwater and Wetlands Program, Utah Dept. of Natural Resources -Utah Geological Survey, Salt Lake City, UT

9:30-10:00 am **State Engineer's Role in Managing Groundwater in Utah**  
Jim Reese, PE, Assistant State Engineer - Tech Services, Utah Dept. of Natural Resources - Division of Water Rights, Salt Lake City, UT

10:00-10:30 am **Utah Water Banking - The Legislation, Pilot Project Results and What's Next**  
Brett Bovee, Intermountain Regional Director, West Water Research, Fort Collins, CO

10:30-11:00 am **Break**

11:00-12:30 pm **Utilizing Groundwater Management Plans to Ensure Sustainable Yields**  
Moderator: Jonathan S. Clyde, JD, of Counsel, Clyde Snow, Salt Lake City, UT

Panelists:

- Jim Reese, PE, Assistant State Engineer - Tech Services, Utah Dept. of Natural Resources - Division of Water Rights, Salt Lake City, UT
- Neil I. Burk, PG, Senior Project Manager/Hydrogeologist, LRE Water, Salt Lake City, UT

12:30-1:30 pm	<b>Lunch (provided)</b>
<b>Moderator</b>	Jeff Chipman, PG, Project Manager, LRE Water, Salt Lake City, Utah
1:30-2:00 pm	<b>Siting Wells and MAR Basins in Rugged, Remote, and Arid Regions Using Surface Geophysics</b> John Jansen, PG, PGp, PhD, Senior Geophysicist & Hydrogeologist, Collier Geophysics, Lakewood, CO
2:00-2:30 pm	<b>Using Earth Observations to Assess Groundwater Storage Change in the Great Salt Lake Basin</b> Norm Jones. PhD, Civil and Construction Engineering Dept., Brigham Young University, Provo, UT
2:30-3:00 pm	<b>Running a Deficit? Groundwater Management Strategies for a Better Balance Budget</b> J. Lance Nielsen, PE, Senior Principal, Hansen, Allen & Luce, Inc., South Jordan, UT
3:00-3:30 pm	<b>Hydrogeology and Water Budget of Pahvant Valley, Millard County, Utah</b> Gregory S. Gavin, Hydrogeologist, Groundwater and Wetlands Program, Utah Dept. of Natural Resources -Utah Geological Survey, Salt Lake City, UT
3:30-4:00 pm	<b>Groundwater as an Essential Component of a Healthy Water System</b> Shane Jones, PE, Water Resource Engineer, Provo City, Provo, UT and Delmas Johnson, PE, Senior Project Manager/Engineer, Hansen, Allen, Luce, Inc., South Jordan, UT
4:00pm	<b>Door Prize Awards</b>

## Conference Exhibitors

Clean Harbors Environmental Services  
Cotey Chemical  
Halliburton - Baroid IDP  
Hydro Resources  
Johnson Screens  
KP Ventures Well Drilling & Pump  
Roscoe Moss Company

# Registration Information

2024 Utah Groundwater Conference - Salt Lake City, UT  
August 6 & 7, 2024

Register online at [agwt.org/events](http://agwt.org/events)

## Registration Overview

### General Registration

2 Day Registration	\$350.00
2 Day Full-Time Student	\$100.00
1 Day Registration (August 6 or 7)	\$200.00
1 Day Full-Time Student (August 6 or 7)	\$ 80.00
AGWT/UGWA/RWUA Members (2 Day Registration)	\$325.00
AGWT/UGWA/RWUA Members (1 Day Registration)	\$175.00

### Speaker Registration

Speaker (August 6)	\$ 0.00
Speaker (August 7)	\$ 0.00
Attend - Not Speaker (August 6)	\$100.00
Attend - Not Speaker (August 7)	\$100.00

### Moderator Registration

2 Day Registration	\$300.00
1 Day Registration	\$150.00
	\$ 30.00
Download of Presentations in PDF - attendees	\$100.00
Download of Presentations in PDF - non-attendees	

### Utah Water Well Workshop

Utah GW Conf Attendee Discount Reg. (please register through NM Water Well Workshop event page)	\$125.00
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**Sponsor and Exhibit Opportunities** - See our event webpage for more information or choose options(s) during on-line registration

Checks should be made payable to AGWT  
Mail to: American Ground Water Trust  
50 Pleasant St., Suite 2  
Concord, NH 03301

For questions please call: (603) 228-5444