



EDUCATION, AWARENESS, & TECHNOLOGY

# MID-ATLANTIC & the CAROLINAS GROUNDWATER CONFERENCE

August 12 & 13, 2025  
Hampton Inn & Suites Raleigh-Durham  
Airport Brier Creek  
8021 Arco Corp. Drive  
Raleigh, NC

## PROGRAM

### Groundwater Champions



# Welcome to the 2025 Mid-Atlantic & the Carolinas 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.

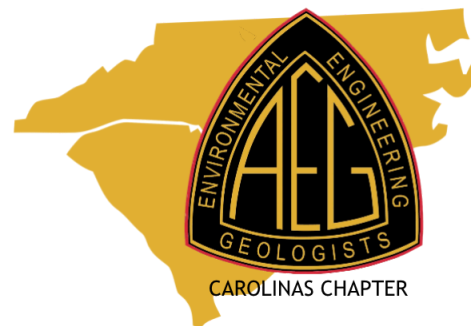
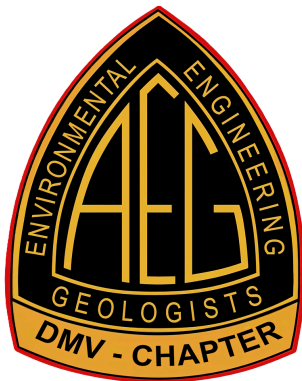
## Continuing Education

Program approved for North Carolina Well Contractor CEUs (2 hours on each day)

Program has been submitted to the North Carolina Board for Licensing of Geologists for CE approval

Certificate of Attendance available for all professionals upon completion of CE Form

## Sponsors



*A Division of GZA*

## Tuesday, August 12

- 7:30-8:30 am **Registration & Refreshments**
- 8:30-8:45 am **Welcome and Overview of AGWT**  
Sara Chudnoff, Executive Director, American Ground Water Trust, Pinetop, AZ
- Moderator** Kenneth Bannister, PG, Director of Geological Services, Koontz Bryant Johnson Williams, North Chesterfield, VA
- 8:45-9:30 am **Regional Complexity of Southeast-Gulf Coastal Plain and Subsequent Challenges In Resource Development and Management**  
Richard Spruill, PhD, PG, Principal Hydrogeologist/President, Groundwater Management Associates, Inc
- 9:30-10:00 am **Wake County Groundwater Monitoring Network: Supporting Long-Term Water Resource Planning**  
Mike Ranck, PG, Groundwater Program Manager, Wake County Government, Public Health/Onsite Water Protection, Raleigh, NC
- 10:00-10:30 am **Break and Exhibitor Introductions**
- Moderator** Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA
- 10:30-11:00 am **The Importance of a “Living” and Evolving Hydrogeologic Site Conceptual Model**  
Peter M. Thibodeau, PHD, PG, National Technical Leader, Hydrogeology, Stantec Consulting Services, Raleigh, NC
- 11:00-11:30 am **Simulating Compound Impacts of Climate Change and Sea-Level Rise on Coastal Shallow Aquifers: Uncovering Hidden Threats Beneath Our Feet**  
Xixi Wang, Ph.D., P.E., Professor and Zhaoyi Cai, former Ph.D. student, Department of Civil and Environmental Engineering, Old Dominion University, Norfolk, VA
- 11:30-12:00 pm **Geothermal in Western Virginia – Exploring The Water Energy Nexus**  
Kenneth Bannister, PG, Director of Geological Services, Koontz Bryant Johnson Williams, North Chesterfield, VA
- 12:00-1:00 pm **Lunch (provided)**
- Moderator** Lynn Templeton, Southeast Sales Manager – Water Well, Johnson Screens, Columbia, SC
- 1:00-1:30 pm **Giving Geology Back to Our Communities: How Volunteerism Can (Re)Ignite the Flame of Your Geology Passion**  
Jonathan Gerst, PG, Principal Hydrogeologist, Tryon, NC
- 1:30-2:00 pm **Geophysical Methods for Groundwater and Environmental Site Characterization**  
Nick Rebman, Geophysicist, Collier Geophysics, Raleigh, NC
- 2:00-2:30 pm **Tracking and Treating a Dissolved BTEX Plume: Groundwater Remediation on the Edge of the Chesapeake Bay**  
Bubba Beasley, CPG, Geologist and Founder, HydroGeo Environmental, Charlottesville, VA and Brad Elkins, PG, VP of Sales & Marketing, Redox Tech, Cary, NC
- 2:30-3:00 pm **PFAS Occurrence and Mitigation Efforts at a Northern Virginia Fractured-Bedrock Aquifer Wellfield**  
Bryant Mountjoy, PG, PMP, Project Hydrogeologist, Stantec, Ashland, VA
- 3:00-3:30 pm **Chasing the PFAS Plume and Rapid Response Management**  
Johnsie Lang, PhD, Arcadis G&M of North Carolina, Inc, Cary, NC

3:30-4:00 pm **Rapid and Inexpensive Delivery of Particulate Carbon for In Situ PFAS Treatment in Groundwater**  
Bonani Langan, PE, BCEE, Senior Environmental Engineer, GSI Environmental Inc., Austin, TX

4:00-5:00 pm **Reception & Networking Sponsored by Progressive Environmental Services**

## Wednesday, August 13

7:30-8:20 am **Registration and Refreshments**

8:20-8:30 am **Welcome and Overview of Day 1**  
Sara Chudnoff, PG, Executive Director, AGWT, Pinetop, AZ

8:30-8:50 am **Life-Cycle Analysis of a Water Well**  
David Branham - Regional Director, Roscoe Moss, Kansas City, MO

8:50-9:35 am **Exploring Well Drilling Methods: Techniques, Tools, and Technologies**  
Will Keyes, Business Development Manager, Terra Sonic International, Monroe, NC and Samuel Connelly, President, Connelly and Associates, Frederick, MD

9:35-10:05 am **Working With Your Contractor Pre Bid for a Successful Water Well Campaign**  
Josh Davis, Account Manager, Layne (a Granite Company), Savannah, GA

10:05-10:30 am **Break**

10:30-11:00 am **Down Hole Geophysics**  
Emily Moren, Geophysical Engineer, Mt. Sopris Instruments, Denver, CO

11:00-11:30 am **Application of Efficient Gravel Envelope Well Design Techniques for Production and Recharge Wells**  
Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA

11:30-12:00 pm **Aquifer Testing of New Water-Supply Wells: Data Analyses and Final Pumping Rate Selection**  
James Holley, PG, Senior Hydrogeologist, Groundwater Management Associates, Inc., Greenville NC

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

**Moderator** Nat Wilson, Retiree/Chief Volunteer, Raleigh, NC

1:00-1:30 pm **Aquifer Testing of New Water-Supply Wells: Data Analyses and Final Pumping Rate Selection**  
James Holley, PG, Senior Hydrogeologist, Groundwater Management Associates, Inc., Greenville NC

1:30-2:00 pm **Chemical Well Rehab**  
Lynn Templeton, Southeast Sales Manager – Water Well, Johnson Screens, Columbia, SC

2:00-2:30 pm **Well Rehabilitation Start to Finish: Logistics, Planning, Data Collection, Execution, Chemistry and Follow up**  
Steven Carl, President, Progressive Environmental Services, Gaffney, SC and Jim Bruneio, Director, AirBurst Technology, Oconomowoc, WI

2:30-3:00 pm **Well Rehab and Well Efficiency Case Studies**  
Mike Whittaker, Southeastern Sales Manager, Cotey Chemical, Ft. Worth, TX

# Conference Exhibitors

AEG

Airburst Technology

Clean Harbors

Collier Consulting

Connelly and Associates

Cotey Chemical

Custom Pipe

Extraction Resources

Johnson Screens

Layne (a Granite Company)

Mt. Sopris Instruments

NC Board for Licensing of Geologists

Roscoe Moss Company

Southern Products & Silica Co.

# Registration Information

2025 Mid-Atlantic & the Carolinas - Raleigh, NC  
August 12 & 13, 2025

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

## Registration Overview

### General Registration

|   |          |
|---|----------|
| 2 Day Registration                          | \$450.00 |
| 2 Day Full-Time Student                     | \$100.00 |
| 1 Day Registration (Day 1 or Day 2)         | \$245.00 |
| 1 Day Full-Time Student (Day 1 or Day 2)    | \$ 50.00 |
| AGWT/GWPNC/AEG Members (2 Day Registration) | \$425.00 |
| AGWT/GWPNC/AEG Members (1 Day Registration) | \$220.00 |

### Speaker Registration

|                              |          |
|------------------------------|----------|
| Speaker (Day 1)              | \$ 0.00  |
| Speaker (Day 2)              | \$ 0.00  |
| Attend - Not Speaker (Day 1) | \$100.00 |
| Attend - Not Speaker (Day 2) | \$100.00 |

### Moderator Registration

|  |          |
|--|----------|
| 2 Day Registration                               | \$400.00 |
| 1 Day Registration                               | \$200.00 |
| Download of Presentations in PDF - attendees     | \$ 30.00 |
| Download of Presentations in PDF - non-attendees | \$100.00 |

**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