



EDUCATION, AWARENESS, & TECHNOLOGY

# MID-ATLANTIC & the CAROLINAS GROUNDWATER CONFERENCE

November 20 & 21, 2024

Hilton Garden Inn

4050 Cox Road

Glen Allen, VA 23060

## PROGRAM

### Groundwater Champions



# **Welcome to the 2024 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**

Application pending approval for VA Certified Water Well Systems Providers  
Certificate of Attendance available for all professionals upon completion of CE Form

## Wednesday, November 20

- 7:30-8:15 am      **Registration & Refreshments**
- 8:15-8:20 am      **Welcome and Overview of AGWT**  
Cheryl Gosselin, Director of Business and Finance, American Ground Water Trust, Concord, NH
- 8:20-8:40 am      **Knowing Your Limits**  
Scott Honeyfield, PE, AGWT Executive Board Member/Principal Emeritus, Parkhill, Amarillo, TX
- 8:40-9:10 am      **As the PFAS World has Turned Over the Last Decade**  
Patricia Reyes, Director/Federal Services Liaison, Clean Harbors Environmental Services, Washington, DC
- 9:10-9:40 am      **South Carolina Private Well PFAS Impact Assessment Update**  
Dustin Leypoldt, Hydrogeologist III, SC Dept. of Environmental Services, Columbia, SC
- 9:40-10:10 am      **Break and Exhibitor Introductions**
- 10:10-10:40 am      **Data Evaluation Framework for Refining PFAS Conceptual Site Models**  
Jeff Gamlin, PG, CHG, Principal Hydrogeologist, GSI Environmental Services, Lakewood, CO
- 10:40-11:10 am      **Understanding PFAS Sources to Reduce Risks and Operating Costs**  
Theresa Landewe, Director/Principal Scientist, INTERA, Bloomington, IN
- 11:10-11:40 am      **The New Normal of Sea Level Induced Groundwater Rise: Technical and Regulatory Implications**  
Scott Warner, PG, CHG, CEG, Principal Hydrogeologist, BBJ Group, San Rafael, CA
- 11:40-12:10 pm      **Environmental Assessment of Maryland's First Exclusively Natural Burial Cemetery**  
Amy Parrish, PG, LEHS, Senior Managing Hydrogeologist, Barton & Loguidice, Eldersburg, MD
- 12:10-1:30 pm      **Lunch (provided)**
- Moderator**      Richard Higginbotham, PE, Assistant Project Manager/Hydrogeologist, Emery & Garrett Groundwater Investigations (a Division of GZA), Meredith, NH
- 1:30-2:00 pm      **Geophysical Methods to Image Fractures; What's New and Some Golden Oldies**  
Doug Laymon, Senior Geophysicist/Hydrogeologist, Collier Geophysics, Round Rock, TX
- 2:00-2:30 pm      **Principles of Efficient Gravel Envelope Well Design**  
Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA
- 2:30-3:00 pm      **Improve the Reliability and Useful Life of Your Well**  
Josh Davis, Account Manager, Layne (a Granite Company), Savannah, GA
- 3:00-3:30 pm      **Well Restoration to Improve Water Quality in the North Carolina Piedmont**  
Mike Vaught, PG, Senior Hydrogeologist, EGIS, PA, Chapel Hill, NC
- 3:30-4:30 pm      **Reception & Networking**

## Thursday, November 21

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

8:25-8:40 am **Summary of November 20 Presentations**

Scott Honeyfield, PE, AGWT Executive Board Member/Principal Emeritus, Parkhill, Amarillo, TX

8:40-9:10 am **Virginia Hydrogeology: Project Insights and Challenges**

Bubba Beasley, PG, Geologist/Founder and CEO, HydroGeo Environmental, Charlottesville, VA

9:10-9:40 am **USGS Virginia - West Virginia Water Science Center: Groundwater Data Collection, Capabilities, and Studies**

Samuel Caldwell, Hydrologist, USGS-Virginia & West Virginia Water Science Center, Richmond, VA

9:40-10:10 am **Structural Control of Groundwater in the Basement of the Virginia Coastal Plain**

Kenneth Bannister, Director of Environmental Services, Koontz Bryant Johnson Williams, Inc., North Chesterfield, VA

10:10-10:40 am **Break**

**Moderator** TBD

10:40-11:10 am **Groundwater Resource Development and Monitoring Related to Blasting in the Mid-Atlantic - The Results of Twenty Off-Site Residential Wells for Possible Adverse Impacts**

Peter Foster, PG, Associate Principal/Hydrogeologist and Richard Higginbotham, PE, Assistant Project Manager/Hydrogeologist, Emery & Garrett Groundwater Investigations (a Division of GZA), Meredith, NH

11:10-11:40 pm **Planning for Water Supply Resiliency in Virginia: Amended Local & Regional Water Supply Planning Regulation**

Hannah Somers, Water Supply Planning & Analysis Team Lead, Virginia Dept. of Environmental Quality, Richmond, VA

11:40-1:00 pm **Lunch (provided)**

**Moderator** TBD

1:00-1:30 pm **A Comparison of DEQ Groundwater Model Parameters to Site-Specific Aquifer Tests: Implications for Groundwater Withdrawal Permitting in Virginia**

Bryant Mountjoy, PG, PMP, Project Hydrogeologist, Stantec, Ashland, VA

1:30-2:00 pm **The Water Resource Assessment of Three Limestone Quarries in Northwestern Georgia**

Chris Foldesi, PG, Project Hydrogeologist II, Nutter & Associates, Athens, Georgia

2:00-2:30 pm

**Evaluating MAR Well Performance Using Highly Purified Wastewater in the Potomac Aquifer System**

Rebecca Nardacci, Research Intern/PhD Candidate, SWIFT Research Center, Suffolk, VA

2:30-3:00 pm

**Managed Aquifer Recharge Well Design, Installation and Performance at James River SWIFT**

Dan Holloway, PG, Hydrogeologist, Technical Services Dept., Hampton Roads Sanitation District, Suffolk, VA

3:00pm

**Door Prize Awards**

## Conference Exhibitors

Baker Water Systems

Clean Harbors Environmental Services

Cotey Chemical

Goulds Water Technology

Johnson Screens

Layne (a Granite Company)

Roscoe Moss Company

Southern Products & Silica Co.

# Registration Information

2024 Mid-Atlantic & the Carolinas - Glen Allen, VA  
November 20 & 21, 2024

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

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|--|----------|
| 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