



INFORMATION-EXCHANGE WEBINAR

An American Ground Water Trust education program

The American Ground Water Trust (AGWT) is a 501(c)(3) non-profit education organization.



PFAS 2021 – What’s Happening? What’s Next?

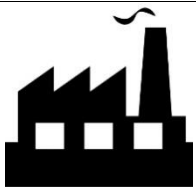
“Great one-stop source of current information for drinking water decision-makers.”

Tuesday, April 27, 2021 - Focus on North & South Carolina

Since 2018 this program has been held in webinar or workshop format more than 20 times. Events have focused on PFAS problems in AZ CA CO FL GA KS MA MI MO NJ NH NM OH, PA & WA

CONTINUING EDUCATION

Approved for NC Drinking Water and Wastewater Operators – Course #210030, 5.5 Hours
Continuing Education Credit for SC Water and Wastewater Operators – 5.5 Hours
Certificate of Attendance available for all attendees upon completion of CE Form



Potential Polluters - Proposed EPA changes to Federal drinking water regulations are likely to include PFAS. Businesses of all types should assess their potential liability for contributing to PFAS pollution of drinking water sources. New regulations will focus scrutiny on business and industry effluent discharges, waste sent to landfills and on commercial/industrial owners of property in source water zones.



PFAS contamination issues are fast moving and constantly changing. It seems that the regulations are catching up with the science regarding the complex chemistry of the PFAS suite of compounds and their discovery in every corner of the environment. Water utilities and affected communities must balance health risks and mitigation costs and pay attention to changes in regulatory thresholds.

PFAS is not an emerging contaminant, the contaminants have been there a long time – it is our awareness that is emerging!



Over 7,000 PFAS (per- and polyfluorinated alkyl substances) occur in the world today and many PFAS compounds transform into highly persistent perfluorinated chemicals in the environment. The compounds are connected to several cancers, liver, kidney and reproductive disorders and other health effects.

Webinar participants will learn about the chemistry background, sampling & testing protocols, treatment technologies, cost recovery options and the challenges of environmental persistence. Presenters will provide technical solutions for treatment and remediation and will discuss regulatory solutions to protecting drinking water integrity.

This webinar will provide information to help decision-makers deal with the challenges of health issues, regulations, remediation options and infrastructure costs.



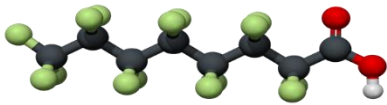
AGWT Events Page



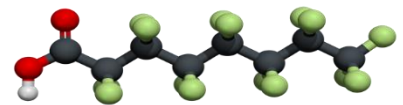
AGWT Facebook

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Log-in code provided via e-mail
to registered participants



Expected timing of Webinar sessions - 8:30 - 12:00, lunch break, then 12:30 - 2:30 (EST)

There will be Q & A opportunities for participants during the webinar

THE DEPTH AND EXTENT OF PFAS IMPACTS ON WATER RESOURCES IN THE US

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

STATUS OF RESEARCH AND DEVELOPMENT ON RISK ASSESSMENT AND TOXICOLOGY ASPECTS OF PFAS

Jenny Phillips, DABT, Director Risk Assessment and Toxicology, VP, TRC Companies, Fort Collins, CO

SAMPLING PROTOCOLS AND ANALYTICAL METHODS TO ENSURE DATA INTEGRITY FOR PFAS DETECTION

AnnieLu DeWitt, Remediation Technologies, Clean Harbors, South Portland, ME

COMMERCIAL TREATMENT TECHNOLOGY CONSIDERATIONS WHEN REMOVING PFAS FROM WATER

Dave Kempisty, PhD, PE, Business Development Manager, Evoqua Water Technologies, Colorado Springs, CO

PFAS TREATMENT SYSTEM DESIGN WHEN SPACE CONSTRAINTS DRIVE REQUIREMENTS

Jim Benjamin, Area Manager, Layne Christensen, A Granite Company, Mesa, AZ

CAPITAL INVESTMENT AND O & M COSTS FOR RESIN-BASED PFAS TREATMENT OPTIONS

Cathy Swanson, Groundwater Remediation Specialist, Purolite Corporation, Fullerton, CA

Joe Klimek, Northeast Sales Manager, Purolite Corporation, Bala Cynwyd, PA

THE BASIS FOR DESIGNING AND ENGINEERING TREATMENT SYSTEMS FOR PFAS CONTAMINATED WATER

Kelsey Hakes, Business Development Engineer, AqueoUS Vets, Redding, CA

30-minute break

PFAS DISPOSAL CHALLENGES AND AN ASSESSMENT OF EXISTING & EMERGING TECHNOLOGIES FOR PFAS DESTRUCTION

Daniel Longbrake, Director of Commercial Business, PFAS & Environmental Restoration, Battelle Memorial Institute, Columbus, OH

PFAS FORENSICS: EFFECTS OF VARIABLE ANALYTICAL PARAMETER SUITES ON THE IDENTIFICATION OF PFAS SOURCES

Elizabeth Denly, ASQ CMQ/OE, PFAS Group Program Director and Quality Assurance & Chemistry Director, TRC Companies, Lowell, MA

AN ASSESSMENT OF HYDROLOGICAL AND CHEMICAL EXPERT WITNESS TESTIMONY TYPICALLY USED IN PFAS-RELATED LITIGATION

Anthony Brown, CEO & Principal Hydrologist, Aquilogic, Costa Mesa, CA

POLLUTER SHOULD PAY: LITIGATION AS A MEANS TO RECOVER COSTS OF REMEDIATION OR NEW SUPPLY SOURCES

Ken Sansone, Partner, SL Environmental Law Group PC, San Francisco, CA

Tate Kunkle, JD, LLM, Attorney, Douglas & London, New York, NY

End of Webinar – Complete Required Continuing Education Documents

AMERICAN GROUND WATER TRUST

The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference, workshop and webinar programs and educational materials:



- ◆ Communicate the environmental and economic value of groundwater
- ◆ Showcase groundwater science and technology solutions
- ◆ Increase citizen, community and decision-maker awareness
- ◆ Facilitate stakeholder participation in water resource decisions
- ◆ Promote efficient and effective groundwater management

NC & SC PFAS Webinar - Tuesday, April 27, 2021

Registration Form

Registration and payment can be made on-line at www.agwt.org/events
Morning session (8:30 to 12:00), Lunch break 12:00-12:30, Afternoon session (12:30 to 2:30) EST

Registration \$100

PDF of Presentations \$30

Continuing Education (Check box if you are seeking Water/Wastewater Operator CE hours):

Please send in separate registrations for each person participating in the webinar.
Instructions for webinar log-in will be sent on receipt of registration.

Payment Information:

CHECK [payable to: AGWT] AMEX/VISA/MC/Discover PO # _____

AMOUNT AUTHORIZED \$ _____

Name on Card _____

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Attendee Name _____

Attendee Email* _____

*The CEU verification process requires that participants are able to receive e-mails during and after the webinar. For participants requiring CEUs, the e-mail address listed above has to be an e-mail that can receive messages during and after the webinar.

Position/ Job Title _____

Address _____

City _____ State _____ Zip _____

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REGISTER ONLINE:

agwt.org/events

MAIL TO:

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Concord, NH 03301-4073

FAX: (603) 228-6557

TEL: (603) 228-5444

? QUESTIONS:

(800) 423-7748

9:00-4:00pm (Eastern Time)

Register on-line at www.agwt.org/events