



INFORMATION-EXCHANGE WEBINAR

An American Ground Water Trust program

SOLUTIONS TO GROUNDWATER CONTAMINATION

PFAS AND RELATED COMPOUNDS

Monday, August 10, 2020



MORNING SESSION 9:00 TO 12:30 – AFTERNOON SESSION 1:00 TO 3:50

“110 million Americans have some PFAS in their drinking water”

(Estimate from EWG—Environmental Work Group)

What about water supply in Georgia, Florida and surrounding states?

This program has been held as a workshop in Cincinnati, OH, Grand Rapids, MI, Sacramento, Montclair, Fresno and Bakersfield, CA, Pittsburgh, PA, Mount Laurel, NJ, Phoenix, AZ, Albuquerque, NM, Westford, MA and Tallahassee, FL and as a webinar for WA, OR and ID.

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



CONTINUING EDUCATION

Continuing education credit approval:

Georgia Water and Wastewater Treatment Plant Operators & Laboratory Analysts –
Course #CE-6-W-0420-AGWT-013122-1234 – 6 W Points

Georgia Commission on Continuing Lawyer Competency – Ref #21519 - 6 CLE Hours

Florida Water and Wastewater Operators (DW,WW,DS) Course Code #8118002 – .6 CEUs

Certificate of Attendance available Professional Engineers and other attendees upon completion of CE Form



Many states are confronting contamination of groundwater and surface water from so-called emerging contaminants. There are technical, regulatory and legal challenges for communities responding to groundwater contamination. Water providers are faced with an urgent need to deal with concerns about health issues, regulations, property values, remediation options and infrastructure costs. The webinar will provide objective information to facilitate water providers, elected officials, citizens and community leaders with policy, planning and management decisions.

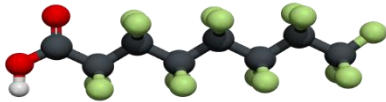


Over 5,000 PFAS (per- and polyfluorinated alkyl substances) occur in the world today and many PFAS compounds transform into highly persistent perfluorinated chemicals in the environment. The compounds are connected to several cancers, liver, kidney and reproductive disorders and other health effects.

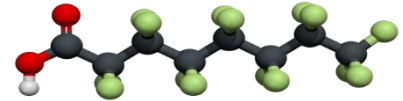
Webinar participants will learn about the chemistry background, sampling & testing protocols, treatment technologies, cost recovery options and the characteristics of environmental persistence of contamination. Presenters will provide case studies of technical solutions for treatment and remediation. The program will also discuss regulatory and legal solutions to protecting drinking water integrity from a range of contaminants and will consider ways to find funding to pay for treatment of contaminated groundwater.

Join our Webinar Sponsors of American Ground Water Trust PFAS Education Programs:





Webinar Details



Webinar morning session – 9:00am

Monday, August 10th

8:55am - Log-in available – code provided via e-mail to registered participants.

WHY ALL PROFESSIONALS INVOLVED WITH WATER SUPPLY NEED TO UNDERSTAND THE DEPTH AND EXTENT OF PFAS IMPACTS ON WATER RESOURCES

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

THE COMPLEX CHEMISTRY OF PFAS COMPOUNDS AND THE CHALLENGES OF THEIR ENVIRONMENTAL PERSISTENCE

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

CARBON AND RESIN CASE STUDIES FOR REMOVAL OF PFAS AND OTHER CONTAMINANTS FROM GROUNDWATER

Dave Kempisty, Ph.D., P.E., Business Development Manager, Evoqua Water Technologies LLC, Colorado Springs, CO

5-minute break

AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

Stephen Zemba, PhD, PE, Project Director, Sanborn Head Associates, Concord, NH

PFAS COMPOUNDS ARE RARELY THE ONLY WATER QUALITY PROBLEM WHEN SELECTING TREATMENT: LABORATORY TESTING PROTOCOLS FOR PFAS ANALYTES AND “OTHER” CHEMICAL CONTAMINANTS

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

USE OF ADVANCED TECHNOLOGIES TO MITIGATE THE IMPACT OF PFAS ON WATER SUPPLIES

Dale Wynkoop, Global Director of Sales and Applications, ECT2 (Emerging Compounds Treatment Technologies), Dublin, OH

30-minute break for lunch 12:30pm to 1:00pm

12:55pm - Log-in available for afternoon session – code provided via e-mail to registered participants

CHAIN PFAS REMOVAL WITH SINGLE-USE SELECTIVE ION EXCHANGE RESIN

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

UPDATE/OVERVIEW OF ACTIONS AND RESPONSE TO PFAS

Becky B. Allenbach, Deputy Director, Water Division, EPA Region 4, Atlanta, GA

COLLOIDAL ACTIVATED CARBON FOR IN SITU REMEDIATION OF PFAS

Chad Northington, PE, REGENESIS, Southeast District Manager, Tallahassee, FL

5-minute break

PFAS – LESSONS LEARNED FROM 15+ YEARS OF ISOTOPE-DILUTION PFAS TESTING ON THOUSANDS OF WATER, SOIL AND TISSUE SAMPLES

Tim Fitzpatrick, Business Development Manager, SGS AXYS Analytical Services, Snellville, GA

POLLUTER SHOULD PAY: LITIGATION AS A MEANS TO RECOVER COSTS

Richard Head, JD, Attorney, SL Environmental Law Group PC, San Francisco, CA

End of Webinar – 3:50pm

