



INFORMATION-EXCHANGE WEBINAR

An American Ground Water Trust program

SOLUTIONS TO GROUNDWATER CONTAMINATION

PFAS AND RELATED COMPOUNDS

Wednesday, September 2, 2020



MORNING SESSION 9:00 TO 12:35 – AFTERNOON SESSION 1:05 TO 4:30

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

(Estimate from EWG—Environmental Work Group)

What about water supply in New Jersey, Maryland, Delaware 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, ID, GA and FL.

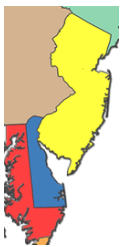
The American Ground Water Trust (AGWT) is a 501(c)(3) non-profit education organization



CONTINUING EDUCATION

Continuing education credit:

- Approved for New Jersey Water and Wastewater Operators
- Approved for New Jersey Certified Public Works Managers-DLGS Course #15292, 3 Technical Hrs, 3 Management Hrs
- Pending approval for New Jersey LSRPs, REHLs and Engineers
- Pending approval for Maryland Water Operators and Wastewater Operators
- Pending approval for Delaware Water Operators and Wastewater Operators
- Certificate of Attendance available for all 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.

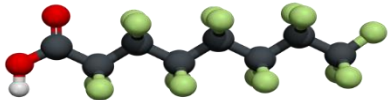


Webinar participants will learn about the chemistry background, sampling & testing protocols, treatment technologies, cost recovery options and the characteristics of environmental persistence of contamination. Presenters will provide case studies of technical solutions for treatment and remediation. 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.

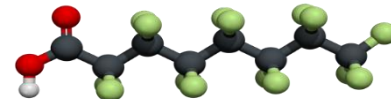
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Webinar Details



Webinar morning session – 9:00am

Wednesday, September 2, 2020

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

THE DEPTH AND EXTENT OF PFAS IMPACTS ON WATER RESOURCES

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

THE CHEMISTRY OF PFAS COMPOUNDS AND THE EXTENT OF THEIR USE THROUGHOUT THE US

Yasemin Kunukcu, PhD, PE, Senior Project Manager, TRC Companies, Inc., New Providence, NJ

PFAS: WIDE-RANGING SOURCES AND IMPACTS TO WATER SUPPLIES

Gregory Schnaar, PhD, PG, Principal Environmental Scientist, Daniel B. Stephens & Associates, Inc., Silver Spring, MD

10-minute break

PFAS CHEMISTRY, SAMPLING PROTOCOLS AND LABORATORY ANALYSIS PROCEDURES

Tom Smith, Lab Manager, ResinTech, West Berlin, NJ

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

Tim Fitzpatrick, Business Development Manager-Environmental Services, SGS AXYS Analytical Services Ltd., Snellville, GA

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 12:35pm to 1:05pm

1:00pm - Log-in available for 1st afternoon session – code provided via email to registered participants

EQUIPMENT AND MEDIA SOLUTIONS FOR REMOVING PFAS FROM WATER

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

AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

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

10-minute break

2:30pm – Log-in available for 2nd afternoon session – code provided via email to registered participants

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

TREATMENT SOLUTIONS FOR GROUNDWATER CONTAMINANTS

Jim Benjamin, Area Manager, Layne Christensen, Mesa, AZ

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 – 4:30pm – CE Form Completion

