



INFORMATION-EXCHANGE WEBINAR

An American Ground Water Trust program
SOLUTIONS TO GROUNDWATER CONTAMINATION



PFAS AND RELATED COMPOUNDS

Wednesday, June 24, 2020

MORNING SESSION 9:00 TO 12:20 – AFTERNOON SESSION 12:50 TO 4:50 (Pacific daylight time)

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

(Estimate from EWG—Environmental Work Group)

What about water supplies in the Northwest? – Washington, Oregon, Idaho, British Columbia?

This program has been held in workshop format 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.

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



CONTINUING EDUCATION



Approved for WA Waterworks Operators: Course ID #A2899, .5 CEUs
Pending approval for WA Wastewater Operators
Applications submitted for OR and ID Water and Wastewater Operators

“One of the most seminal public health challenges for the next decades.”

Patrick Breyse, Director of the U.S. Centers for Disease Control’s National Centre for Environmental Health, describing the contamination of drinking water supplies by AFFF firefighting foam.

Many states are confronting contamination of groundwater and surface water from so-called emerging contaminants. **[The contaminants have been there a long time – it is our awareness that is emerging!]** There are technical, regulatory and legal challenges for communities responding to 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.



Workshop participants will learn about the chemistry background, sampling & testing protocols, treatment technologies, cost recovery options and the challenges of environmental persistence of contamination. Presenters will provide technical solutions for treatment and remediation and will discuss regulatory and legal solutions to protecting drinking water integrity and consider ways to find funding for treatment or new supply.

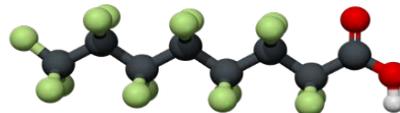


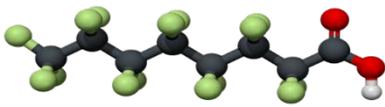
AGWT Events Page

AGWT Facebook

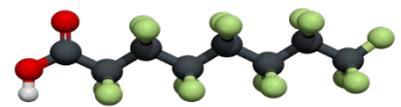


Sponsors of American Ground Water Trust PFAS Education Programs





Webinar Time Table



8:58 - Log-in available – code provided via e-mail to registered participants.

Webinar morning session - 9:00 am (Pacific Daylight Time)

Wednesday June 24th

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
Continuing Education – check email for question (only sent to those who requested continuing education credit)

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

Bharat Chandramouli, PhD, Product Manager and Senior Scientist, SGS AXYS Analytical Services Ltd., Sidney, BC, Canada
Continuing Education – check email for question

5-minute break and new log-in code for second session provided via e-mail to registered participants

EQUIPMENT AND MEDIA SOLUTIONS FOR REMOVING PFAS FROM WATER

Kelsey Hakes, Business Development Engineer, AqueoUS Vets, Redding, CA
Continuing Education – check email for question

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

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

CASE STUDY OF INVESTIGATIONS AT THE ISSAQUAH PFAS SITE

Priscilla Tomlinson, Toxicologist, Washington State Department of Ecology, Bellevue, WA
Continuing Education – check email for question

30-minute break for lunch - 12:20pm to 12:50pm and new log-in code for third session provided via e-mail

12:48pm - Log-in available for afternoon session – code provided via e-mail to registered participants

Webinar afternoon session – 12:50pm to 4:50pm

CHAIN PFAS REMOVAL WITH SINGLE-USE SELECTIVE ION EXCHANGE RESIN

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

COLLOIDAL ACTIVATED CARBON FOR IN SITU REMEDIATION OF PFAS: A REVIEW OF MULTIPLE CASE STUDIES

Andrew Punsoni, Northwest District Technical Manager, REGENESIS, Portland, OR
Continuing Education – check email for question

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 and new log-in code for final session provided via e-mail

AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

Stephen Zemba, PhD, PE, Project Director, Sanborn Head Associates, Concord, NH
Continuing Education – check email for question

PFAS: AN ENGINEERED APPROACH FOR DRILLING, SITE EVALUATION, AND THE SELECTION OF TREATMENT SOLUTIONS FOR CONTAMINATED GROUNDWATER SOURCES

Jim Benjamin, Area Manager, Layne Christensen, Mesa, AZ
Continuing Education – check email for question

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 – 4:50pm – Continuing Education – Remember to complete & email the Continuing Education Form