



INFORMATION-EXCHANGE WORKSHOP

An American Ground Water Trust program

SOLUTIONS TO GROUNDWATER CONTAMINATION

PFAS AND RELATED COMPOUNDS

Olympia, WA - Wednesday, June 24, 2020

Hotel RL Olympia, 2300 Evergreen Park Dr., Olympia, WA 98502

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

(Estimate from EWG—Environmental Work Group)

What about water supplies in the Northwest?

This workshop program has been held 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.



AGWT Events Page

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



AGWT Facebook



CONTINUING EDUCATION



The AGWT will issue Certificates of Attendance

Approved by Washington Certification Services for Waterworks Operators – Course ID #A2899, .5 CEUs

Application submitted to State of WA Department of Ecology for Wastewater Operators

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 workshop program 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 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 Workshop Sponsors:



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DBS & A
Daniel B. Stephens & Associates, Inc.



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Hydro
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To become a workshop sponsor, call 800 423 7748 or visit our website for this event at www.agwt.org/events.

Program starts at 8:30 and ends at 4:00. (Lunch included – sponsored by Evoqua Water Technologies, LLC)

7:30 – 8:30 REGISTRATION Network with exhibitors

8:30 – 8:45
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

8:45 – 9:20
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

9:20 – 9:55
THE COMPLEX CHEMISTRY OF PFAS COMPOUNDS AND THE CHALLENGES OF THEIR ENVIRONMENTAL PERSISTENCE

Craig Hutchings, Consultant, Integral Consulting Inc., Olympia, WA

9:55 – 10:30
EQUIPMENT AND MEDIA SOLUTIONS FOR REMOVING PFAS FROM WATER

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

10:30 – 10:40
INTRODUCTION OF EDUCATIONAL/ TECHNICAL EXHIBITS

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

10:40 – 11:00 BREAK Network with exhibitors

11:00 – 11:35
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

11:35 – 12:10
CHAIN PFAS REMOVAL WITH SINGLE-USE SELECTIVE ION EXCHANGE RESIN

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

12:10 – 1:15 LUNCH Network with exhibitors *Lunch sponsored by Evoqua Water Technologies, LLC*

1:15 – 1:50
COLLOIDAL ACTIVATED CARBON FOR IN SITU REMEDIATION OF PFAS: A REVIEW OF MULTIPLE CASE STUDIES

Andrew Punsoni, Northwest District Technical Manager, REGENESIS, Portland, OR

1:50 – 2:25
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

2:25 – 2:40 BREAK Network with exhibitors

2:40 – 3:15
CASE STUDY OF INVESTIGATIONS AT THE ISSAQUAH PFAS SITE

Priscilla Tomlinson, Toxicologist, Washington State Department of Ecology, Bellevue, WA

3:15- 3:50
POLLUTER SHOULD PAY: LITIGATION AS A MEANS TO RECOVER COSTS

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

3:50 – 4:00 WRAP UP and FINAL Q & A



Registration Form

Northwest PFAS Workshop

Hotel RL Olympia, 2300 Evergreen Park Dr., Olympia, WA 98502

Wednesday, June 24, 2020 (8:30am – 4:00pm)

WORKSHOP REGISTRATION: Register on-line at www.agwt.org/events

General Registration	\$200	<input type="checkbox"/>
AGWT Member/Employee	\$175	<input type="checkbox"/>
Full-time Student (ID required)	\$ 80	<input type="checkbox"/>
PDF - Workshop presentations (Attendee price)	\$ 30	<input type="checkbox"/>
Exhibit Table (registration required)	\$250	<input type="checkbox"/>

Event Sponsor: \$1,000 and above sponsors have the option of an exhibit table
(see website Exhibit & Sponsorship Information for more details).

\$2,000 \$1,000 \$500

Please indicate if you plan to exhibit: YES NO

TOTAL AUTHORIZED \$ _____

Registration includes handouts, coffee break & lunch

Payment Information:

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

AMOUNT AUTHORIZED \$ _____

Name on Card _____

Card No. _____ Expiration Date _____

Cardholder Email _____

Company Name _____

Attendee Name _____

Attendee Email _____

Position/ Job Title _____

Address _____

City _____ State _____ Zip _____

Phone _____

REGISTER ONLINE:
agwt.org/events

MAIL TO:
American Ground Water Trust
50 Pleasant Street, Suite 2
Concord, NH 03301-4073

FAX: (603) 228-6557

TEL: (603) 228-5444

? QUESTIONS:
(800) 423-7748
9:00-4:00pm (Eastern Time)

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 and workshop 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