



INFORMATION-EXCHANGE WORKSHOP

An American Ground Water Trust program



SOLUTIONS TO GROUNDWATER CONTAMINATION

Southern California PFAS

Thursday, December 2, 2021 – 8:30am – 4:00pm

The Centre at Sycamore Plaza, 5000 Clark Avenue, Lakewood, CA 90712

Since 2018 the American Ground Water Trust has convened many conference, workshop and webinar events focused on PFAS problems. In-person or virtual programs have been offered for the following states AZ CA CO CT DC FL GA IA IL KS MA MD ME MI MN MO NC NJ NH NM OH, OR PA RI SC VT WA WI & WV

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



Continuing Education

Approved for **CA Drinking Water Operators** – 6.25 Hours



Certificate of Attendance available for all attendees upon completion of CE Form

Contamination of groundwater and surface water from so-called emerging contaminants is a major challenge for water supply utilities. 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 up-to-date objective information to facilitate water providers, elected officials, citizens and community leaders with policy, planning and management decisions.



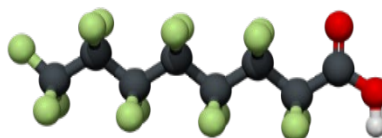
Over 7,000 PFAS (per- and polyfluorinated alkyl substances) occur in the world today and many PFAS compounds transform into highly persistent perfluorinated chemicals in the environment. The compounds are connected to several cancers, liver, kidney and reproductive disorders and other health effects.

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.

Workshop Sponsors:



ROSCOE MOSS COMPANY



7:30 – 8:30 REGISTRATION + Network with exhibitors (Continental Breakfast provided)

8:30 – 9:05

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

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

9:05 – 9:40

HOW PFAS CONTAMINATION IS AFFECTING WATER SUPPLY FOR SOUTHERN CALIFORNIA'S RURAL AND DISADVANTAGED COMMUNITIES

Maria Elena Kennedy, Consultant, Kennedy Communications, Inc., Rancho Cucamonga, CA

9:40 -10:15

REDUCING “DOWNSTREAM” PFAS TREATMENT OF DRINKING WATER BY TREATMENT AND MANAGEMENT OF PFAS AT “UPSTREAM” SOURCES

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

10:15 – 10:35 BREAK (Snacks provided)

10:35 – 11:10

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

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

11:10 – 11:55

CONVENTIONAL & NOVEL TOOLS FOR MEASURING PFAS IN DRINKING WATER

Rick Zimmer, Senior Account Manager, Eurofins Eaton Analytical, LLC, Monrovia, CA

11:55 – 12:30

UPDATE ON OCWD'S ONGOING PILOT PFAS TREATMENT FACILITY

Meeta Pannu, PhD, Senior Scientist, Orange County Water District, Field Research Laboratory, Anaheim, CA

12:30– 1:30 LUNCH (Buffet provided)

1:30– 2:05

DESIGN OPTIONS FOR PFAS TREATMENT SYSTEMS: EXAMPLES FROM CALIFORNIA INSTALLATIONS

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

2:05 – 2:40

SANTA CLARITA VALLEY WATER AGENCY: PROBLEMS AND SOLUTIONS RELATED TO THE OCCURRENCE OF PFAS

Michael Alvord, Director of Operations & Maintenance Treatment, Distribution, Operations & Maintenance Department, Santa Clarita Valley Water Agency, Santa Clarita, CA

2:40 – 2:50 BREAK

2:50 – 3:25

UPDATE ON PFAS REGULATORY ISSUES AND THE POTENTIAL IMPACTS ON WATER SUPPLIERS OF EXPECTED NEW FEDERAL THRESHOLDS

Jeff O'Keefe, Chief, Southern California Section, State Water Resources Control Board Division of Drinking Water, Glendale, CA

3:25 – 4:00

PFAS CHALLENGES FOR WATER SUPPLIERS: EVOLVING REGULATIONS, UNCLEAR JURISDICTIONAL AUTHORITY, LIMITED BUDGETS AND AN EVER-INCREASING PRICE-TAG

Connor Larson, Water Industry Analyst SL Environmental Law, San Francisco, CA

4:00 Continuing Education sign out and ADJOURN

