INFORMATION-EXCHANGE WORKSHOP

An American Ground Water Trust program organized in cooperation with the Arizona Hydrological Society, Environmental Professionals of Arizona and support from Air & Waste Management Assn–Grand Canyon Section

SOLUTIONS TO GROUNDWATER CONTAMINATION **PFAS and other emerging contaminants** Phoenix/Chandler, AZ - Thursday July 11, 2019

Holiday Inn Hotel & Suites Chandler, 1200 W Ocotillo Rd, Chandler, AZ 85248

"110 million Americans have some PFAS in their drinking water"

(Estimate from EWG—Environmental Work Group)

What about water supply ARIZONA and surrounding states?

The American Ground Water Trust (AGWT) is a 501(c)(3) non-profit education organization. See web-site for registration rates for students, members of the Arizona Hydrological Society, Environmental Professionals of Arizona, Air & Waste Management Association and employees of AGWT corporate members







This workshop program has been held in Mt Laurel, NJ, Pittsburgh, PA, Cincinnati, OH, Grand Rapids, MI and Sacramento and Montclair, CA. Additional programs are scheduled for Albuquerque, NM and at Fresno and Bakersfield in California's Central Valley.



Continuing Education The AGWT will issue Certificates of Attendance Approved for Water and Wastewater Operators by ADEQ – 6 PDHs



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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 4,700 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. Other contaminants resulting from fuel spills, manufacturing processes and improper disposal practices pose additional health risks and are reducing the inventory of economically usable groundwater.

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.

Exhibit and sponsorship opportunities are available - www.agwt.org/events or call 1-800-423-7748

REGISTER NOW at www.agwt.org/events – **SPACE FOR THIS TOP RATED WORKSHOP IS LIMITED.**

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Worksho	p Schedule	e – Jul	y 11
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 10:45 – 11:20 EQUIPMENT AND MEDIA SOLUTIONS FOR TCP, VOC'S, AND PFAS Kelsey Hakes, Business Development Engineer, AqueoUS Vets, Redding, CA 11:20 – 11:55 THE USE OF QUANTITATIVE RISK ASSESSMENT TO DETERMINE HEALTH RISKS FROM WATER CONTAMINANTS Kelly A. Reynolds, PhD, Professor & Chair, Community, Environment and Policy, Director, Environment, Exposure Science and Risk Assessment Center (ESRAC), Zuckerman College of Public Health, University of Arizona, Tucson, AZ 11:55 – 12:30 PFAS: WIDE-RANGING SOURCES AND IMPACTS TO WATER SUPPLIES Gregory Schnaar, PhD, PG, Principal Environmental Scientist, Daniel B. Stephens & Associates, Inc., Silver Spring, MD 		

4:10 – 4:15 WRAP-UP – FINAL Q & A – CONTINUING EDUCATION SIGN-OUT









Registration Form

Phoenix/Chandler PFAS & Other Emerging Contaminants Workshop Thursday July 11, 2019 Holiday Inn Hotel & Suites Chandler, 1200 W Ocotillo Rd, Chandler, AZ 85248 8:30am - 4:30pm				
AGWT Corp Member Employee \$17 Arizona Hydrological Society Members \$17 AWMA-Grand Canyon Sect. Members \$17 Environmental Prof. of Arizona Members \$17	00			
PDF - Workshop presentations\$ 3(Attendee price)	30 🗆			
Exhibit Table (registration required) \$2	50 🗆			
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 🗆 \$50	00 🗆 \$250 🗆			
(\$1K and above, please indicate if you plan to exhibit: YES \Box NO \Box				
TOTAL	\$			
Registration includes handouts, coffee break & lunch				
Payment Information: CHECK [payable to: AGWT] AMEX/VISA/MC/Discover PO #				
AMOUNT AUTHORIZED \$				
Name on Card				
Card NoExpiration Date _	REGISTER ONLINE: agwt.org/events			
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Attendee Email				
Position/ Job Title	IEL: (603) 226-5444			
Address	? QUESTIONS: (800) 423-7748			
City State Zip	9:00-4:00pm (Eastern Time)			
Phone				

