## INFORMATION-EXCHANGE WORKSHOP SOLUTIONS TO LEGACY GROUNDWATER CONTAMINATION PFAS and other emerging contaminants

**Albuquerque - Wednesday July 24** 

State Bar of New Mexico, 5121 Masthead NE, Albuquerque, NM 87199

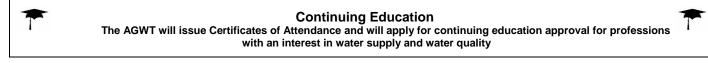
#### "110 million Americans have some PFAS in their drinking water" (Estimate from EWG—Environmental Work Group)



### What about water supply NEW MEXICO 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 and employees of AGWT corporate members

This workshop program has been held in Mt Laurel, NJ, Pittsburgh, PA, Cincinnati, OH, Grand Rapids, MI and in Sacramento and Montclair, CA. Additional workshops will be held in Phoenix, AZ, Fresno and Bakersfield, CA and Westford, MA





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.

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

Sponsorship and exhibiting opportunities www/agwt.org/events Join these event sponsors:



#### 8:30 - 8:40

#### THERE IS A LITTLE BIT OF SOMETHING IN EVERYTHING

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

#### 8:40 - 9:20

#### **EMERGING CONTAMINANTS IN NEW MEXICO**

Speaker to be announced

#### 9:20 - 10:00

#### PFAS: WIDE-RANGING SOURCES AND IMPACTS TO WATER SUPPLIES

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

#### 10:00 - 10:40

### CARBON AND RESIN CASE STUDIES FOR REMOVAL OF PFAS AND OTHER CONTAMINANTS FROM GROUNDWATER

Caitlin M. Berretta, Business Development Manager - Environmental Solutions, Evoqua Water Technologies, Washington DC

10:40– 11:00 BREAK

#### 11:00 – 11:40

### EMERGING AWARENESS: MICROPLASTICS IN GROUNDWATER, CARRIERS OF PERSISTENT POLLUTANTS INCLUDING PFAS

James Studer, Principal Consultant, InfraSUR LLC, Albuquerque, NM

#### 11:40 - 12:20

#### ION EXCHANGE TREATMENT FOR NITRATE, CHROME VI, URANIUM and PFAS

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

12:20 – 1:20 LUNCH	(Sponsor Opportunity)
--------------------	-----------------------

#### 1:20-2:00

# HYDROGEOLOGIC INVESTIGATION PROCEDURES TO CHARACTERIZE THE NATURE AND EXTENT OF GROUNDWATER CONTAMINATION

Lori Huntoon, PG, Groundwater Monitoring Manager - Tetra Tech / N3B, Legacy Contamination Cleanup Contract, Los Alamos National Laboratory, Los Alamos, NM

#### 2:00 - 2:40

#### EQUIPMENT AND MEDIA SOLUTIONS FOR TCP, VOC'S, AND PFAS

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

#### 2:40 - 3;20

#### AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

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

#### 3;20 - 4:00

#### SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS

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

#### 4:00 – 4:15 WRAP-UP - FINAL Q & A - CONTINUING EDUCATION SIGN-OUT









### **REGISTRATION FORM**

Albuquerque PFAS Workshop Wednesday, July 24, 2019 State Bar of New Mexico, 5121 Masthead NE, Albuquerque, NM 87199 8:30am - 4:30pm (Registration includes handouts, coffee break & lunch)								
WORKSHOP RE General Registration AGWT Corporate Member Emp Price for July 22 or July 23 Con Full-time Student (ID required) PDF - Workshop presentations (Attendee price) Exhibit Table (registration requ	ference attendees	\$200 \$175			-	wt.org/events		
Event Sponsor: \$1,000 and above sponsors have the option of an exhibit table (see website Exhibit & Sponsorship Information for more details).								
	\$2,000 🗆 \$1,00	0 🗆	\$5	00 🗆	]	\$250 🗆		
Please indicate if you plan to exhibit: YES D NO D								
TOTAL \$								
** The Annual New Mexico Groundwater Conference – July 22-23 at the State Bar. Details at www.agwt.org/events								
Payment Information:   CHECK [payable to: AGWT]   AMOUNT AUTHORIZED \$								
Name on Card								
Card No	Expiration Date				REGISTER ONLINE: agwt.org/events			
Cardholder Email						MAIL TO: American Ground Water Trust 50 Pleasant Street, Suite 2		
Company Name								
Attendee Name						Concord, NH 03301-4073		
Attendee Email						FAX: (603) 228-6557		
Position/ Job Title						<b>TEL:</b> (603) 228-5444		
Address					<b>? QUESTIONS:</b> (800) 423-7748			
State Zip						9:00-4:00pm (Eastern Time)		
Phone		NDWITH						

