

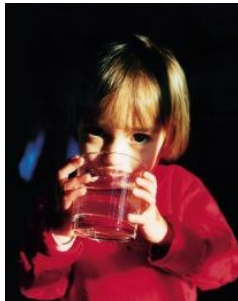
Association of Ground Water Agencies - American Ground Water Trust

AGWA – AGWT Annual Conference

“Everything aquifers and groundwater management”



Wednesday, February 19 and Thursday, February 20, 2020
Gateway Hotel, 2200 East Holt Boulevard, Ontario, California 91761



Background

The first AGWA/AGWT joint conference was held in Ontario, CA in 2000. Since then, this annual event has provided an important information exchange and networking opportunity for California’s water agencies, utilities and water districts, and for all water professionals (scientific, engineering, managerial, legal, environmental, regulatory), end-users of water, and local and state elected officials involved with water policy issues. The focus of every program is on current groundwater management issues in California.

Continuing Education

Approved by State of CA for Drinking Water Operators – 14 Contact Hours (7 hours each day)
Application pending approval by the State Bar for CA – Requested 5 MCLE (General Credit)
Certificates available for Engineers, Geologists and other Professions

Thank you to our 2020 Conference Sponsors:



ROSCOE MOSS COMPANY

7:30 – 8:30 REGISTRATION

Wednesday, Feb 19, 2020

8:30 – 8:45 INTRODUCTION

Anthony Zampello, Chairman, Association of Ground Water Agencies
Andrew Stone, Executive Director, American Ground Water Trust

8:45am – 12:10am First Session:

PFAS - THE LEGACY OF INDUSTRIAL CONTAMINANTS IN DRINKING WATER – WHAT TO DO?

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

[The industrial chemicals, Per- and polyfluoroalkyl substances (PFAS) are human-made fluorine compounds that have caused soil, air and water contamination. The health implications and costs for clean-up give water managers nightmares because of the persistence of these “legacy compounds with “risks” identified as low as a few parts per trillion in drinking water.]

8:45 – 9:15

CALIFORNIA NOTIFICATION AND RESPONSE LEVELS FOR PFOA AND PFOS

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



9:15 – 9:45

WHAT WATER DISTRICTS AND AGENCIES NEED TO KNOW ABOUT PROTOCOLS AND COSTS FOR PFAS SAMPLING & TESTING

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

9:45 – 10:15

UPDATE ON ISSUES ASSOCIATED WITH PFAS (AND RELATED COMPOUNDS) IN THE EASTERN MUNICIPAL WATER DISTRICT

Lanaya Voelz Alexander, PE, Sr. Director of Water Resources Planning, Eastern MWD, Perris, CA

10:15 – 10:40

BREAK

10:40 – 11:10

ORANGE COUNTY ASSESSMENT AND RESPONSE TO CONCERNS ABOUT PFAS AND RELATED COMPOUNDS

Patrick Versluis, Director of Water Quality, Orange County Water District, Fountain Valley, CA

11:10 – 11:40

SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS

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

11:40 – 12:10

KEYNOTE PRESENTATION

THE 2005 DUPONT CLASS ACTION SETTLEMENT IN WEST VIRGINIA WAS JUST THE START. THE MAGNITUDE OF THE LEGACY PFAS PROBLEM NATIONWIDE IS STILL BEING UNRAVELED

Rob Bilott, JD, Attorney, Partner, Taft Law, Taft Stettinius & Hollister LLP, Cincinnati, OH



Robert is a partner in Taft's Environmental, Litigation, and Product Liability and Personal Injury groups. For more than 29 years, Rob has handled a wide variety of highly complex environmental matters and related toxic tort litigation for a diverse array of clients, including the nation's first cases involving PFAS drinking water contamination. To date, Rob has secured benefits in excess of \$1 Billion for clients impacted by PFAS contamination, including through key leadership positions in the nation's first class action, personal injury, medical monitoring, and multi-district litigations and trials. In 2017, Rob received the international Right Livelihood Award, also known as the "Alternative Nobel Prize," for his decades of work on PFAS issues. Rob is the author of the book, "Exposure: Poisoned Water, Corporate Greed, and One Lawyer's Twenty-Year Battle against DuPont," and his story is the inspiration for the new motion picture, "Dark Waters" from Participant Media and Focus Features. Rob has a Juris

Doctor degree from the Ohio State University College of Law.

12:10 – 1:15

LUNCH Sponsored by *Evoqua Water Technologies, LLC*



1:15pm – 3:15pm Second Session:

PRIVATE SECTOR INVESTMENT IN CALIFORNIA WATER SUPPLY INFRASTRUCTURE & MANAGEMENT

Moderator: Stephen (Steve) Cullen, PhD, PG, Principal Hydrogeologist/Sr. VP, Daniel B. Stephens & Associates, Santa Barbara, CA

1:15 – 1:45

THE CADIZ WATER PROJECT – ENVIRONMENTAL AND REGULATORY UPDATE

Scott Slater, JD, Attorney, President, Cadiz Inc., Los Angeles, CA

[The Cadiz project is a private sector initiative to augment water supply for Southern California. The technical feasibility has been established; the time frame for implementation is dependent on a final environmental review.]



1:45 – 2:15

THE NASDAQ-VELES CALIFORNIA WATER INDEX (NQH20)

Matt Payne, Principal, WestWater Research, LLC, Phoenix, AZ and Patrick Wolf, Product Development Specialist, Global Index Research & Development, Nasdaq, Inc., Rockville, MD

[The Index (published weekly) represents the volume-weighted average of prices in \$ per acre-foot and shows the current pricing level for water in California determined by water entitlement transactions.]

2:15 – 2:45

THE ROLE OF INVESTOR OWNER UTILITIES IN PROVIDING WATER SUPPLY IN CALIFORNIA

Evan Jacobs, External Affairs Manager, California American Water, Sacramento, CA

2:45 – 3:15

THE ROLE OF PRIVATE CAPITAL IN PUBLIC/PRIVATE PARTNERSHIPS

Ross Posner, Managing Partner, Ridgewood Infrastructure LLC, New York, NY

3:15 – 3:30

BREAK

3:30pm – 5:00pm Third Session:

WHAT'S THE NEXT STEP FOR YOUR GSA: IMPLEMENTATION OR LITIGATION?

Moderator: Tony Morgan, PG, CHG, Market Leader – Water Planning & Development, Geo-Logic Associates, Santa Barbara, CA

SGMA challenges:

1. A GSA Board is authorized to set groundwater extraction allocations, provided that those allocations do not impact water rights. How does a GSA Board balance this situation?
2. How does a GSA Board construct a groundwater extraction ramp-down plan that is consistent with the complex groundwater rights of CA?

Panel:

Colin Pearce, JD, Partner, Duane Morris LLC, San Francisco, CA

Boyd Hill, JD, Shareholder, Jackson Tidus Law, Irvine, CA

Russ McGlothlin, Partner, O'Melveny, Los Angeles, CA

Eugene West, Partner, West Corzine LLP, Westlake Village, CA

Chair – Fox Canyon Groundwater Management Agency, Chair – Arroyo Santa Rosa Groundwater Sustainability Agency



5:00 – 6:30

RECEPTION

Sponsored by Raymond Basin Management Board (cash bar)



8:30am - 10:30am Fourth Session:
GROUNDWATER AND THE CLEAN WATER ACT

Moderator: Anthony Brown, CEO & Principal Hydrologist, Aquilogic, Costa Mesa, CA

County of Maui v. Hawaii Wildlife Fund is a case pending before the US Supreme Court involving pollution discharges under the Clean Water Act. (CWA). Whether the CWA covers traceable discharges of contaminants through groundwater into navigable waters of the U.S. is the fundamental question of the case. Whatever the Supreme Court decision, there are huge implications for water managers and regulators.

Panel:

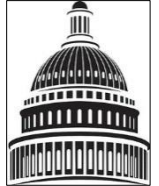
Damien Schiff, JD, Senior Attorney, Pacific Legal Foundation, Sacramento, CA
Maui case – Petitioner (County of Maui and current Federal administration) Position

Colin Kelly, JD, Senior Staff Attorney, Coastkeeper, Costa Mesa, CA
Maui case – Respondent (Hawaii wildlife and environmental groups) Position

Steven Hoch, JD, Of Counsel, Clark Hill PLC, Los Angeles, CA
Implications for the SCOTUS decision on CWA for wastewater utilities

Frank Holleman, JD, Senior Attorney, Southern Environmental Law Center, Chapel Hill, NC
Assessment of the success of the 1977 CWA in “restoring and maintaining the chemical, physical, and biological integrity of the nation's waters.”

Douglas Henderson, JD, Partner, King and Spaulding, Atlanta, GA
Implications for SCOTUS decision on industry



10:30 – 10:50 BREAK

10:50am – 12:40pm Fifth Session:
INCREASED WATER SUPPLY RELIABILITY THROUGH STORMWATER CAPTURE

Moderator: Mark Williams, PhD, PE, Vice President, GEOSCIENCE Support Services, Inc., Claremont, CA

Panel:

THE NEW PARADIGM - TREATING STORMWATER AS A RESOURCE

Venu Kolli, PE, Area Manager Southern California Sector Leader, Stantec Consulting Services Inc., Pasadena, CA

HOW CALIFORNIA'S “STORMS” PROGRAM IS WORKING TO ADDRESS STORMWATER CHALLENGES

(STORMS - Strategy to Optimize Resource Management of Stormwater)

Chris Beegan, Engineering Geologist, State Water Resources Control Board, Sacramento, CA

STORMWATER CAPTURE: THE SAN JUAN WATERSHED PROJECT

Don Bunts, Deputy General Manager, Santa Margarita Water District, Rancho Santa Margarita, CA

ADDRESSING THE CHALLENGES OF A REGIONAL STORMWATER CAPTURE PROGRAM USING MODELING

(A Case Study in the Development and Use of the Upper Santa Ana River Integrated Surface Water and Groundwater Model)

Johnson Yeh, Ph.D., PG, CHG, Principal, GEOSCIENCE Support Services Inc., Claremont, CA



12:40 – 1:45 LUNCH

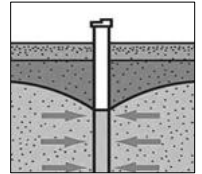


1:45pm – 3:45pm Sixth Session:
**EFFECTIVELY AND AFFORDABLY MANAGING IMPAIRED GROUNDWATER –
CURRENT AND EMERGING CONTAMINANTS**

Moderator: Abhishek Singh, PhD, PE, Vice President Western Region, INTERA Incorporated, Torrance, CA

GROUNDWATER QUALITY CHALLENGES FOR WATER PROVIDERS IN THE CHINO BASIN

Edgar Tellez Foster, PhD, Senior Environmental Engineer, Chino Basin Watermaster, Rancho Cucamonga, CA



GROUNDWATER QUALITY CHALLENGES FOR WATER PROVIDERS IN THE CENTRAL AND WEST COAST BASINS

Brian Partington, PG, CHG, Manager of Hydrogeology, Water Replenishment District of Southern California, Lakewood, CA

FLOW AND WATER QUALITY PROFILING TECHNOLOGY FOR NEW AND EXISTING WELLS

Noah Heller, PG, President, BESST Inc., San Rafael, CA

REDUCING WATER PROVIDER RISK AND COST WITH IMPROVED CHARACTERIZATION OF GROUNDWATER WATER QUALITY

Dan Haddock, PE, Director of Water Utility Services, INTERA Incorporated, Austin, TX

3:45 – 4:00 **CONFERENCE WRAP-UP**

Anthony Zampello, Chairman, Association of Ground Water Agencies and Executive Officer for the Main San Gabriel Basin Watermaster and Raymond Basin Management Board, Azusa, CA

4:00 ADJOURN Completion of and turn in Continuing Education Forms



ASSOCIATION OF GROUND WATER AGENCIES

AGWA, was formed in 1994 by a group of Southern California groundwater basin management agencies to provide a unified voice to coordinate efforts and exchange information to enhance the effective management of groundwater resources. AGWA's purpose is to create a forum for the discussion of groundwater issues for entities responsible for management of groundwater basin resources.

AGWA's primary objectives are to promote:

- ◆ More effective means of enhancing management of groundwater basins
- ◆ The reliability of existing groundwater supplies
- ◆ The increase of basin yields and the protection and enhancement of groundwater quality



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