

UNDERSTANDING NEW MEXICO'S BRACKISH GROUNDWATER RESOURCES

Innovations in exploration, development, treatment and uses of brackish groundwater



Thursday, July 23rd, 2015
State Bar of New Mexico
5121 Masthead NE
Albuquerque, NM 87109

PROGRAM



A one-day information-exchange program covering technical, legal, environmental and economic aspects of New Mexico's brackish groundwater resources and an assessment of how these resources might be most effectively utilized.

Program convened by American Ground Water Trust
501(c)(3) non-profit education organization



Endorsed by the IAH Commission: Groundwater for Decision-makers

CONTINUING EDUCATION

The AGWT will issue certificates of attendance to attendees who sign-in and sign-out.

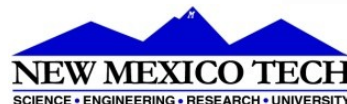
Attorneys - New Mexico MCLE Board has approved this course for 6.00 Credits

Brownstein Hyatt Farber Schreck LLP is the approved MCLE sponsor provider for this conference by the NM MCLE Board

Thank you to our cooperators and sponsors:



HoseSolutions Inc



7:00 – 8:00 REGISTRATION

8:00 – 8:30

THE HYDROLOGIC AND ECONOMIC MEANING OF SUSTAINABILITY

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

8:30 -9:00

STATEWIDE ASSESSMENT OF NEW MEXICO'S BRACKISH GROUNDWATER RESOURCES

Stacy Timmons, Aquifer Mapping Program Manager, NM Bureau of Geology and Mineral Resources, Socorro, NM

9:00 - 9:30

BRACKISH WATER FOR PUBLIC SUPPLIES: FIVE BIG CHALLENGES

Bruce Thompson, Regents Professor of Civil Engineering at the University of New Mexico, Albuquerque, NM

9:30 -10:00

DEVELOPMENT OF A BRACKISH GROUNDWATER SUPPLY FOR A PROPOSED POTASH MINE IN SOUTHEASTERN NEW MEXICO

Peter Castiglia, Vice President, INTERA, Albuquerque, NM

10:00 – 10:20 BREAK

10:20 – 10:50

BRACKISH GROUNDWATER AS A POSSIBLE FUTURE SOURCE FOR THE ABCWUA

John M. Stomp, III, COO, Albuquerque Bernalillo County Water Utility Authority, Albuquerque, NM

10:50 – 11:20

ALAMOGORDO REGIONAL SUPPLY PROJECT – A CASE STUDY ON THE PLANNING AND DESIGN OF NEW MEXICO'S FIRST MUNICIPAL DESALINATION PLANT

Robert Fowlie, Principal Engineer/Senior Project Manager, CDM Smith, Albuquerque, NM

11:20 – 11:50

DESALINATION UPDATES: BRACKISH WATER IN TEXAS AND CALIFORNIA; NATIONAL TRENDS IN ENERGY AND WATER ISSUES; DOE DESALINATION FOCUS

Mike Hightower, Energy Systems Analysis Department, Sandia National Laboratories, Albuquerque, NM

11:50 – 12:20

CURRENT PERMITTING REQUIREMENTS FOR BRACKISH GROUNDWATER IN NEW MEXICO

Mike Johnson, Chief, Hydrology Bureau, New Mexico Office of the State Engineer, Santa Fe, NM

12:20 – 1:20 LUNCH

1:20 – 1:50

OWNERSHIP AND ENVIRONMENTAL ISSUES RELATED TO DEVELOPMENT OF NEW MEXICO'S BRACKISH GROUNDWATER

Steve Sims, Shareholder, Brownstein Hyatt Farber & Schreck, Albuquerque, NM

1:50 – 2:20

JURISDICTIONAL AUTHORITY OVER DEVELOPMENT AND OPERATION OF BRACKISH GROUNDWATER DESALINATION

Jeff Wechsler, Shareholder, Montgomery & Andrews, Santa Fe, NM

2:20 – 2:50

THE BRACKISH GROUNDWATER NATIONAL DESALINATION RESEARCH FACILITY

Randy Shaw, Manager, Brackish Groundwater National Desalination Research Facility, Alamogordo, NM

2:50 – 3:10 BREAK

3:10 – 3:40

USE OF GEOPHYSICAL LOGS TO DETERMINE WATER QUALITY IN DEEP BRACKISH AQUIFERS

Daniel Lupton, Hydrogeologist, INTERA, Austin, TX

3:40 – 4:10

TECHNOLOGY, ENGINEERING AND ECONOMIC FEASIBILITY FOR PRODUCE WATER DESALINATION

Ashok Kumar Ghosh, Associate Professor, Mechanical Engineering, New Mexico Tech, Socorro, NM

4:10 – 4:20

WRAP-UP OF THE DAY'S DISCUSSION

David Jordan, Vice President, INTERA, Albuquerque, NM

4:10 – 4:20 WRAP-UP AND ADJOURN



This Conference is endorsed by the IAH Commission: Groundwater for Decision-makers



**INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS
COMMISSION - GROUNDWATER OUTREACH TO DECISION MAKERS**

Background to the Commission:

World-wide, ignorance and misunderstanding of groundwater is a major barrier to effective water resources management. Groundwater professionals need to be advocates for sensible water policy to ensure that water allocation decisions are based on hydrologic reality. Science-based knowledge, effectively communicated, can support the dual objectives of sustainably maximizing the use of groundwater for economic, social and environmental benefit while protecting against overdevelopment and contamination. IAH members can contact Andrew Stone, the Commission Director for more information at astone@agwt.org

The American Ground Water Trust is a national, non-profit public education organization that has been providing ground water information, awareness and education since 1986.



The Trust's programs:

- ☺ Promote efficient and effective ground water management
- ☺ Communicate the environmental and economic value of ground water
- ☺ Showcase ground water science and technology solutions
- ☺ Increase citizen, community and decision-maker awareness
- ☺ Facilitate stakeholder participation in water resource decisions