

DEEP WELL INJECTION

MIAMI CONFERENCE

TECHNICAL, ECONOMIC, ENVIRONMENTAL AND POLICY ISSUES

An educational information-exchange program from the American Ground Water Trust on disposal wells



Monday, March 2 and Tuesday, March 3, 2020

Hosted by:

Miami Dade Water and Sewer Department

Conference venue - 3071 SW 38th Ave, Miami, FL 33146
(Optional field trip opportunity, Sunday March 1)



CONTINUING EDUCATION

The AGWT will issue Certificates of Attendance

Application to be submitted to Florida Water Environment Assn for Wastewater Operators
Approved for FL Professional Engineers

Provisional schedule and current status of program development

The objective of the conference is to provide an update on the status of deep well injection disposal in Florida and to showcase the “state-of-the-art” and operation-economics for current users and for potential adopters of the technology. The presentations will include information on disposal policies that are the drivers for DWI installations. Experts will present information about the latest technologies in design, construction, operation, maintenance and monitoring of deep well injection and will include case studies from DWI operations in the US and overseas. The conference will provide a focused information exchange and discussion opportunity among presenters and participants.

The March 2 & 3 conference venue is close to the Douglas Road Rail Station. Any hotel accommodation close to the Miami Rail System (Miami Airport - Dadeland South) will allow attendees easy access to the conference without the hassles of downtown parking.

Join our Conference Sponsors:



For exhibiting and sponsorship opportunities visit www.agwt.org/events

Sunday, March 1st

2:30 – 5:00pm Field trip to Miami Dade deep well injection drilling site:

Field trip leader: Dr Virginia Walsh, Chief of Hydrogeology, Miami-Dade Water and Sewer Department (more details coming)

Monday, March 2nd

8:15 – 5:00 Conference presentations

Tuesday, March 3rd

8:15 – 12:00 Conference presentations

12:00 – 1:15 Keynote lunchtime speaker

1:15 Conference Ends

Speakers currently confirmed – Additional speakers and full schedule available soon

PROTECTING THE INTEGRITY OF DRINKING WATER SOURCES: A NUMBER ONE PRIORITY

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

THE LONG-TERM FUTURE FOR DEEP WELL INJECTION IN THE US

Monte Markley, PG, Vice President/Project Director, National Expert: Deep Well and Underground Injection
SCS Engineers, Wichita, KS

OVERVIEW OF CLASS I INJECTION WELL PRACTICES IN THE UNITED STATES AND SIMILAR WELLS OVERSEAS

Robert Maliva, PhD, PG, Principal Hydrogeologist, WSP, Fort Myers, FL

IDENTIFYING INJECTION ZONES - SEISMIC-REFLECTION IMAGING OF GEOLOGIC STRUCTURE

Kevin Cunningham, PhD, PG, Research Hydrogeologist, U.S. Geological Survey, NSU Center for Collaborative Research, Carbonate Aquifer Characterization Laboratory, Davie, FL

Session - THE MIAMI DADE INJECTION PROGRAM:

Virginia Walsh, PhD, PG, Chief of Hydrogeology, Miami-Dade Water and Sewer Department, Miami, FL
Ed Rectenwald, PG, Water Resource - Hydrogeology National Practice Leader, Black & Veatch Corp., Fort Myers, FL
Gerrit Bulman, PG, Senior Project Manager, Jacobs, Miami, FL
Neil Johnson, PG, PMP, Senior Principal, Stantec, West Palm Beach, FL

MODELING OF THE BOULDER ZONE AT A MACRO AND MICRO SCALE

Angela Montoya, Miami-Dade Water and Sewer Department, Miami, FL

FLORIDA KEYS INJECTION WELLS.... HINDSIGHT IS 2020

Michael Alfieri, PG, PHg, CGWP, Principal Hydrogeologist/Director of Hydrogeologic Services, Water Resource Associates, LLC, Tampa, FL

A REVIEW OF THE ENVIRONMENTAL RECORD OF DEEP WELL INJECTION OF FLUIDS FROM FLORIDA'S OIL & GAS PRODUCTION OVER THE LAST FIVE DECADES

Thomas Herbert, PhD, Vice President, & Gregory Hitz, PG, Senior Associate,, Lampl Herbert Consultants, Inc., Tallahassee, FL

EXPANDING AN ACTIVE INJECTION WELL SYSTEM - DO'S AND DON'TS

Albert Muniz, PE, Vice President, Hazen and Sawyer, Boca Raton, FL

NEXT GENERATION FIELD DATA ACQUISITION AND MANAGEMENT FOR LARGE SCALE DEEP INJECTION WELL PROJECTS

Kevin Malone, Ocean Outfall Legislation Program – Systems Architect, Jacobs Engineering Group, Miami, FL
Anamaria Sarmiento, PG, Hydrogeologist, Stantec, Miami, FL
Manuel Arias, Staff Geologist, HBC Engineering Co., Doral, FL

REGISTRATION/EXHIBIT/SPONSORSHIP PAYMENT FORM

Deep Well Injection Conference - Miami-Dade Water and Sewer Department – March 2 & 3, 2020

REGISTRATION:

Deep Well Injection – Miami March 2020	March 2 & 3	March 2 only	March 3 only
YOU MUST CHECK ONE: →	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Registration	<input type="checkbox"/> \$350	<input type="checkbox"/> \$250	<input type="checkbox"/> \$150
AGWT Corporate Member	<input type="checkbox"/> \$300	<input type="checkbox"/> \$210	<input type="checkbox"/> \$120
Full-Time Student (ID required at Registration)	<input type="checkbox"/> \$75	<input type="checkbox"/> \$50	<input type="checkbox"/> \$25
Field trip (March 1, 2:30-5:00pm)	<input type="checkbox"/> \$40		
Presentation PowerPoints download <small>(Registrant Price)</small>	<input type="checkbox"/> \$30		
Speaker – Day of Presentation	March 2 <input type="checkbox"/> \$0	March 3 <input type="checkbox"/> \$0 (complimentary)	
Speaker – Additional Day	March 2 <input type="checkbox"/> \$100	March 3 <input type="checkbox"/> \$100	
<i>Registration includes: breaks, and lunch</i>			

EXHIBITOR: Exhibit Table - Personal registration (above) also required \$ 300

SPONSOR: Sponsor Levels: \$3,000 \$2,000 \$1,000 \$500

\$1,000 and above sponsors have the option of a complimentary registration or exhibit table

\$1,000+ sponsors - Complimentary registration? YES NO

\$1,000+ sponsors – Exhibit table? YES NO

Please call the AGWT (800) 423-7748 if you have questions, need an invoice, or if you would like to discuss providing financial assistance for this event in some other way, such as sponsoring lunch or the reception.

Registrant/Sponsor/Exhibitor Information:

Attendee Name _____

Organization Name _____

Attendee E-mail _____

Position/Job Title _____

Address _____

City _____ State _____ Zip _____ Phone _____

Payment Information:

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www.agwt.org/events

The American Ground Water Trust is a non-profit 501(c)(3) membership organization dedicated to providing accurate information about water resources, groundwater and wells to citizens, communities and decision makers. Contributions are tax deductible to the extent permitted by law.

[Register on-line at www.agwt.org/events](http://www.agwt.org/events)