

AQUIFER STORAGE RECOVERY (III)

Treatment, Risk Assessment, Public Perception, Future Outcomes

AMERICAN GROUND WATER TRUST

Monday, January 13, 2003

Co-sponsored by:

- US Geological Survey
- Florida Chapter, American Water Works Association
- Florida Chapter, American Public Works Association
- Florida Ground Water Association

Renaissance Orlando Resort at Sea World, 6677 Sea Harbor Drive, Orlando, Florida 32821

WHAT'S IT ALL ABOUT?

The Trust held ASR I on September 10, 2001, and ASR II on January 7, 2002. This one-day 2003 forum, ASR III, is a one-stop shop for the latest perspectives on an important emerging and ongoing issue, Aquifer Storage Recovery (ASR) in Florida. Decisions about water in Florida are of interest and concern at the local, regional and state level. The conference will provide perspectives across the spectrum of opinion on issues such as:

- Have the science and economics of ASR been convincingly demonstrated?
- What lessons from overseas are there for Florida?
- What are the economics of pre-injection filtration and disinfection requirements?
- Are laboratory results of microbial attenuation replicated in aquifers?
- What aquifer quality insights are provided from long records of storm water recharge?
- What should be the basis for health risk assessment related to ASR?
- How does Florida's ASR experience compare with other states in the US?
- What will be the long-term regulatory response to ASR as a management strategy?
- If ASR proves to be financially unfeasible, what is the back-up plan?

PROGRAM

Morning Session Moderator: Andrew Stone, American Ground Water Trust, Concord, NH

8:00 – 8:10 Introduction & Welcome

ASR BACKGROUND, LEGAL AND ENVIRONMENTAL ISSUES

8:10 – 8:40 David Pyne, ASR Systems, Gainesville, FL

The principal ASR issues in Florida and the latest trends in the implementation of ASR projects worldwide

8:40 – 9:10 Peter Kwiatkowski, South Florida WMD, W Palm Beach, FL

Update on the status of the ASR components of the Everglades Restoration Project

9:10 – 9:40 Scott Randolph, Attorney, LEAF, Tallahassee, FL

Environmentalists' concerns regarding implementation of ASR in Florida

9:40 – 10:10 Sam Poole, Berger Singerman PA, Fort Lauderdale, Florida

How do the legal discrepancies between federal law and EPA regulations impact the implementation of ASR projects in Florida?

10:10 – 10:30 **BREAK**

WHAT IS HAPPENING WITH ASR BEYOND FLORIDA?

10:30 – 11:15 Simon Toze, CSIRO, Perth, Australia (Keynote speaker)

Latest research on the fate of microbiota in aquifers – do we have answers?

(Continued overleaf)

11:15 – 11:45 Kelly Rowe, CDM, Irvine, CA

How political, operational and public perception issues have been overcome for ASR and Artificial Recharge projects in Southern California

11:45 – 12:15 Ken McGill, CH2MHill, Philadelphia, PA

There are 9 ASR projects in Mid-Atlantic States. What have been the operational hurdles and how have they been overcome?

12:15 – 1:15 **LUNCH**

Afternoon Session Moderator: Jeff Nash, Immediate Past Chair, Florida AWWA (Orlando, FL)

HOW ARE WE DOING WITH ASR IN FLORIDA?

1:15 – 1:45 Thomas Missimer, CDM - Missimer, Fort Myers, FL

Technical issues regarding ASR operational success

1:45 – 2:15 Mark McNeal, CH2MHill, Tampa, FL

What are the ASR lessons from the operational site in Tampa?

2:15 – 2:45 Robert Cushing, Carollo Engineers, Sarasota, FL

The economics of ASR pre-treatment technologies

2:45 – 3:15 Carl Goodwin, USGS, Miami, FL

ASR and deep well injection in South Florida

3:15 – 3:30 **BREAK**

3:30 – 4:30 **GENERAL DISCUSSION SESSION** (Chair Jeff Nash, Past President, Florida AWWA)

(Short introductory remarks by each panelist followed by ASR discussion among panel and all participants)

Debbie Salamone, Orlando Sentinel, Orlando, FL

How have the news media in Florida approached the ASR issue?

Henry Dean, South Florida WMD, West Palm Beach, FL

Principal ASR issues that will influence water management decisions in SFWMD

David Moore, South West Florida WMD, Brooksville, FL

Principal ASR issues that will influence water management decisions in SWFWMD

Simon Toze, CSIRO, Perth, Australia

4:30 **ADJOURN**

4:30 – 5:30 CASH BAR AVAILABLE IN EXHIBIT AREA

ASR 4 is provisionally scheduled for Florida in January 2004.

All 2003 attendees will be notified by e-mail.

UPCOMING 2003 TRUST PROGRAMS IN FLORIDA INCLUDE:

Tampa, Feb 19th *Public Health, Ground Water & Water Wells (one day workshop)*

Gainesville, Feb 20th *Public Health, Ground Water & Water Wells (one day workshop)*

Zephyrhills, July 15-16, *Ground Water Institute for Teachers™ (training for educators)*

Miami, (fall) *Ground Water Institute for Teachers™ (training for educators)*