

# National Water Research Institute

May 26, 2010, E-Newsletter

## *In This Issue*

- “Managed Aquifer Recharge Symposium” Date Changed to January 25-26, 2011
- Oakland Asset Management Workshop (June 30-July 1, 2010) – 30 Seats Remaining
- NWRI Study Finds Low Levels of Constituents of Emerging Concern (CECs) in Water Supplies

## **“Managed Aquifer Recharge Symposium” Date Changed to January 25-26, 2011**

The “Managed Aquifer Recharge Symposium” sponsored by the Water Research Foundation (WaterRF), Orange County Water District (OCWD), and NWRI has changed its date to **January 25-26, 2011**.

The date was changed to avoid potential conflicts with other related events occurring in the same timeframe.

The 2-day symposium, which will be held in **Irvine, CA**, will highlight the need and benefits of storing more water underground through managed recharge efforts. It will focus on technical and policy issues regarding augmenting aquifers with surface waters, including river water, recycled water, and storm water through recharge basins.

The purpose of the symposium is to provide a forum for detailed discussions about managed aquifer recharge issues and to exchange information.

Practitioners, researchers, consultants, water agency staff, and others involved in basin recharge activities are invited to submit an abstract for an oral or poster presentation. Student posters are also welcome.

Abstracts must be one-page in length (no more than 500 words) and single-spaced. The new deadline for abstracts is September 15, 2010.

Topic areas include:

- **Recharge Basin Performance**, including geology, hydrogeology, and factors (such as recharge water quality) that affect performance.
- **Recharge Basin Operations**, including recharge facility cleaning, vector control, and monitoring.
- **Modeling of Recharge Basin Performance**, including hydrodynamics and water delivery and storage.
- **Basin Optimization**, including basin geometry, pretreatment of recharge water, optimal cleaning sequence/timing, engineered sediments to maximize recharge, and the removal of low permeability sediments.

- **Facility Planning and Engineering**, including land acquisition/construction of new basins, estimating long-term performance, converting flood control facilities to recharge basins, issues with multi-use facilities, and economic evaluations.
- **Innovative Recharge Ideas**, including the pretreatment of water to maximize recharge performance, shallow subsurface systems, and in-place cleaning systems.
- **Research**, including current research and areas of future research.
- **Operational Experience**, including agency case studies, regulatory, and water quality.

Further information regarding the abstract submittal process (including the downloadable "Abstract Submittal Form") is available at [www.nwri-usa.org/RechargeSymposium.htm](http://www.nwri-usa.org/RechargeSymposium.htm).

## **Oakland Asset Management Workshop (June 30-July 1, 2010) – 30 Seats Remaining**

Thirty seats remain for the 2-day asset management training workshop that NWRI is holding in partnership with the U.S. EPA and East Bay Municipal Utility District on June 30-July 1, 2010, in Oakland, CA.

The purpose of the workshop, as designed by the U.S. EPA, is to provide "hands on" training on how to use advanced asset management techniques to improve and sustain the long-term performance of water or wastewater utilities. It will include real-world storylines, participant exercises, case-based mentoring, and step-by-step demonstration.

Expert instructors include:

- **Steve Allbee**  
Steve Allbee has been with the U.S. Environmental Protection Agency for 28 years, during which time he has held several senior positions in the Office of Water. Currently, as Project Director of the Gap Analysis, he is the principal author of The Clean Water and Drinking Water Infrastructure Gap Analysis. The "Gap Analysis" is a comprehensive national-level assessment that is often cited as a primary source document in articulating the challenges ahead for America's water and wastewater systems. Of late, the central point of his work is on promoting advanced asset management approaches as a pathway toward sustainable water and wastewater services for the twenty-first century.
- **Doug Stewart, P.E.**  
Doug Stewart is a Principal Consultant for GHD Inc. He is also a former Asset Management Program Director at the Orange County Sanitation District, and has 25 years experience in engineering and 10 years in utility management.

The California Department of Public Health (CDPH) Division of Drinking Water and Environmental Management Operation Certification Unit will provide up to fourteen (14) Continuing Education Units (CEUs) for workshop participants.

The State Water Resources Control Board (SWRCB) Clean Water Program will provide one (1) educational unit for workshop participants.

The fee for early registration (by **June 23, 2010**) is \$275. After June 23, the registration fee will be \$300.

To register, or for more information (including the workshop brochure), please visit [www.regonline.com/AssetMgt-Oakland](http://www.regonline.com/AssetMgt-Oakland).

## **NWRI Study Finds Low Levels of Constituents of Emerging Concern (CECs) in Water Supplies**

NWRI released a final project report that evaluated the presence and fate of constituents of emerging concern (CECs), such as pesticides, pharmaceuticals, and components of personal care products, in three major drinking water sources in Southern California: State Water Project, Colorado River, and Santa Ana River.

The NWRI report, entitled "Source, Fate, and Transport of Endocrine Disruptors, Pharmaceuticals, and Personal Care Products in Drinking Water Sources in California," was prepared by researchers at the Metropolitan Water District of Southern California and Orange County Water District for the purpose of better understanding the presence and impact of CECs in our water supplies at extremely low levels.

The NWRI project report is available for download at [www.nwri-usa.org/CECs.htm](http://www.nwri-usa.org/CECs.htm).

---

*You are receiving this email from NWRI, a non-profit public-private partnership founded in 1991 to promote the protection, maintenance, and restoration of water supplies through the development of cooperative research work. NWRI provides occasional information via email list serve on upcoming events and activities. If you would like to be removed from NWRI's email list serve, please respond to this email with "Unsubscribe" in the subject line and specify the email address you wish to remove. For further questions, please contact NWRI at [enews@nwri-usa.org](mailto:enews@nwri-usa.org). Thank you.*

National Water Research Institute  
18700 Ward Street  
P.O. Box 8096  
Fountain Valley, CA 92728 -8096  
714-378-3278  
Fax 714-378-3375  
[www.nwri-usa.org](http://www.nwri-usa.org)