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## Water Reuse Foundation

The mission of the Water Reuse Foundation is to conduct and promote applied research on the reclamation, recycling, reuse, and desalination of water.

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## Call for Abstracts Released for 14th Annual Research Conference

The Foundation is accepting abstracts for technical presentations during the 14th Annual Water Reuse & Desalination Research Conference, to be held in Tampa, FL on May 24-25, 2010. The Foundation's Research Conference is dedicated to showcasing the latest results from "cutting edge" research related to water reuse and desalination. This conference presents technologies that are likely to become mainstream in 5-10 years. Abstracts are due December 14.

For more information about submitting abstracts, visit [http://www.watereuse.org/foundation/Research\\_Conf/14](http://www.watereuse.org/foundation/Research_Conf/14).

## Foundation Signs New Agreement with Reclamation

The Foundation finalized a \$2.25 million cooperative agreement with the Bureau of Reclamation on September 30 in support of the Foundation's applied research program. The Bureau of Reclamation supports the Foundation's research program through the Title XVI water reclamation and reuse program. The funding was included in Reclamation's Fiscal Year 2009 budget and has been allocated to 12 ongoing and planned research projects.

For more information about the Foundation's research portfolio, visit <http://www.watereuse.org/foundation/research/portfolio>

## Foundation Issues New RFPs

The Foundation recently released two new Requests for Proposals (RFPs) under the Solicited Research Program.

**The Effect of Prior Knowledge of "Unplanned" Potable Reuse on the Acceptance of "Planned" Potable Reuse (WRF-09-01):** The objective of this project is to investigate if community knowledge and awareness of "unplanned" indirect potable water reuse (IPR) through the discharge of treated wastewater into the raw water supply improves their acceptance of "planned" IPR.

**Utilization of HACCP Approach for Evaluating Integrity of Treatment Barriers for Reuse (WRF-09-03):** This project seeks to investigate and develop an alternative approach for managing and monitoring microbial water quality of reclaimed water effluent through the Hazard Analysis and Critical Control Points (HACCP) process.

Proposals for both projects are due November 19, 2009. For more information about these projects, visit <http://www.watereuse.org/foundation/research/rfps>

## New Research Reports Available

The Foundation recently released the following new research reports:

**Collecting, Exploring, and Interpreting Microbiological Data Associated with Reclaimed Water Systems: A Guidance Manual (WRF-04-012):** This manual provides users with a context for collecting, exploring, and interpreting microbiological data associated with reclaimed water. Basic concepts are presented to facilitate collection of meaningful data with an emphasis on the design of sampling programs, data interpretation, and statistical analysis.

**The Effects of Salinity on the Removal of Contaminants of Concern during Biological Water Reclamation (WRF-05-008):** Conventional wastewater treatment operations are dependent on the settleability of biosolids. The primary hypothesis evaluated during this study was that sorption of hydrophobic compounds will be influenced by bioflocculation and that increasing the M/D ratio will decrease sorptive capacity. The results indicate that increasing the M/D ratio does have the potential to reduce the sorption of hydrophobic compounds during water reclamation.

**Formation and Fate of Chlorination Byproducts in Desalination Systems (WRF-05-011):** The objective of this study was to assess the occurrence of contaminants in water produced by desalination systems. The report includes a comprehensive review of chlorine disinfection byproducts in desalination systems; studies of their formation after chlorination of seawater from different locations; removal of chlorine disinfection byproducts in a pilot-scale seawater desalination system; and the formation of disinfection byproducts after chlorination of desalinated water.

**A Reconnaissance-Level Quantitative Comparison of Reclaimed Water, Surface Water, and Groundwater (WRF-02-008):** This study found that reclaimed water, surface water, and groundwater were more similar than dissimilar when tested for the presence of 244 representative constituents. When detected, most constituents were in the parts per billion and parts per trillion ranges. The largest difference between reclaimed water and the other waters appears to be that reclaimed water has been disinfected and thus has disinfection by-products.

For more information about research reports, visit <http://www.watereuse.org/foundation/publications>

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## Board Approves New Research Studies

The Foundation's Board of Directors approved two new projects at its September 15 meeting in Seattle, WA.

A Tailored Collaboration (TC) project with El Paso Water Utilities titled *Continuous Flow Seawater RO System for Recovery of Silica-Saturated RO Concentrate* was approved. El Paso Water Utilities will partner with the University of Texas at El Paso's Center for Inland Desalination and the Texas Water Development Board to develop an environment within the reverse osmosis membrane wherein the silica either will not precipitate, or if it does, have it precipitate in a form that will not stick to the membrane.

The Board also approved an Unsolicited research project titled *Development of New Tracers for Determining Travel Time Near MAR Operations*. This study will evaluate two alternative tracers to determine subsurface travel times near managed aquifer recharge (MAR) sites. The Principal Investigator is Jordan F. Clark of the University of California, Santa Barbara.

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## New Membership Coordinator Joins Staff

Katie Spillman joined the staff of the WateReuse Foundation as the Membership Coordinator effective August 31. Katie is a graduate of North Carolina State University with a Bachelor's degree in Business Management with a concentration in marketing. She comes to WateReuse after working for the Hyatt Hotel in Reston, VA for the past two years. Katie's primary responsibilities will include Subscriber and member recruitment and retention for the Association and Foundation.

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## Foundation Welcomes New Subscribers

The Foundation welcomes the following new Subscribers:

- Acciona Agua Corporation
- Shearer Consulting, Inc.
- Water Globe Consulting, LLC

Foundation Subscribers are a group of forward-looking organizations who help shape the Foundation's research agenda. The support of Subscribers is an integral component of the Foundation's ability to attract top-notch researchers and leverage its intellectual and financial resources around the world.