



RESEARCH UPDATE

Advancing the Science of Water Reuse and Desalination through Research

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WaterReuse Foundation

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

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El Paso, TX to Host 2007 Research Conference

The 11th Annual Water Reuse Research Conference will be held June 4-5, 2007 at the El Paso Marriott in El Paso, TX. The program committee will be chaired by Ed Archuleta, General Manager of El Paso Water Utilities. The Foundation's Research Conference is designed as a forum for the water community to interact, network, and discuss the latest research results on water reuse and desalination. A "Call for Abstracts" will be released in December 2006.

Workshop to Identify Research Needs

The Foundation is hosting a Water Reuse and Desalination Research Needs Workshop in San Diego, CA November 28-30, 2006 to develop an updated water reuse and desalination research agenda. Invited technical experts will be asked to identify new research priorities and develop project descriptions. The Foundation's Research Advisory Committee (RAC) proposed a new Research Needs Workshop during a strategic planning meeting held January 9, 2006. The RAC also created a list of high priority questions and issues to be considered in updating the research agenda. The Foundation has asked Subscribers to provide input on the issues that the RAC identified and to identify any additional issues faced by Subscriber organizations prior to the workshop.

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Board Approves New Tailored Collaboration Project with LACSD

The Foundation's Board of Directors approved a new [Tailored Collaboration](#) (TC) research project with the Sanitation Districts of Los Angeles County during its September 12 meeting in Hollywood, CA. The project is titled *Sequential UV and Chlorination for Reclaimed Water Disinfection*. The overall objectives of the study are to identify reclaimed water disinfection alternatives consisting of various combinations of UV and chlorine and to determine their performance with respect to pathogen inactivation, DBP minimization, cost-effectiveness, and removal of selected emerging pollutants of concern. The TC program is reserved exclusively for Subscribers and allows them to propose new research and receive matching funding from the Foundation. For more information about the TC program, [click here](#).

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Research Proposals Due November 14

Proposals for five new research projects are due to the Foundation November 14. The new projects are valued at nearly \$1.3 million and help meet the Foundation's goal of addressing emerging and priority issues in all aspects of water reclamation, reuse, recycling, and desalination. Funding for the projects was approved at the Board's May 16 meeting. Requests for Proposals (RFPs) were released October 3. To view the RFPs, [click here](#).

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Board Approves New Research Projects

The Foundation's Board of Directors approved final awards for research projects funded under the 2006 [Unsolicited Research Program](#) during its September 12 meeting. The program promotes applied research through projects proposed by researchers. The final selections are listed below.

- Characterization of U.S. Seawaters and Development of Standardized Protocols for Evaluation of Foulants in Seawater Reverse Osmosis Desalination; Principal Investigator: Dr. Samer Adham of MWH.
- Enhanced Disinfection of Adenoviruses with UV Irradiation; Principal Investigator: Dr. Karl Linden of Duke University.
- Investigating the Feasibility of a Membrane Biofilm Reactor to Achieve Low Nitrogen Levels for Water Reclamation & Reuse; Principal Investigator: Dr. Shane Trussell of Trussell Technologies, Inc.
- Optimization of Advanced Oxidation Processes (AOP) for Water Reuse; Principal Investigator: Dr. Fernando Rosario of Southern Nevada Water Authority.

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New Research Reports Released

The Foundation recently released three new research reports for projects funded under the Solicited Research Program. The reports are entitled

- Beneficial and Nontraditional Uses of Concentrate (# 02-006b-01),
- Marketing Nonpotable Recycled Water: A Guidebook for Successful Public Outreach & Customer Marketing (# 03-005-01), and
- An Economic Framework for Evaluating the Benefits and Costs of Water Reuse (# 03-006-02).

For more information on these reports, [click here](#).

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Foundation Participates in GWRC Workshop

The Foundation participated in a [Global Water Research Coalition](#) (GWRC) workshop on nitrosamines in the water cycle held October 12-13 in Karlsruhe, Germany. The objective of the workshop was to bring together experts in the field of analysis, fate, and toxicology of nitrosamines in the water cycle to share results and engage in organized planning. The Foundation has released three research reports on NDMA and other nitrosamines over the past year. The workshop featured presentations on state-of-the-art technologies used for analysis, toxicological evaluation, sources, occurrences, and fate of nitrosamines. Attendees identified knowledge gaps and needs for further research. GWRC is a group of national water research organizations from around the globe that leverages funding and expertise among participating organizations.

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Foundation Welcomes New Subscriber

The Foundation welcomes [CDM](#) as a new Subscriber. Foundation Subscribers are a group of forward-looking organizations and individuals 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.

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