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Thank you for taking time to get updated on news and upcoming events from ARCSA!

American Rainwater Catchment Systems Association

July 2011 E-News

WELCOME NEW MEMBERS

ALABAMA

Rhonda Britton

CALIFORNIA

Eric Konechny
Hector Nava
Gus Yates

COLORADO

Jason Gullette

FLORIDA

Julie Hanson

NEW MEXICO

Linda Butler

OHIO

Marilyn Hiestand

OREGON

Tanya Roll

TEXAS

Massino Azimi
Sean Bravo
Terry Roberts

ARCSA 2011 NATIONAL CONFERENCE

September 27 - 29

Portland, Oregon

REGISTER NOW!

Speakers:

- Kenny Kurtzman, Senior Partner, Booz & Company
- Billy Kniffen, ARCSA Lead Instructor and Education Chair
- and more

Session Topics Include:

- Research in Rainwater Catchment
- Agricultural Rainwater Systems
- Rainwater Harvesting and Low Impact Development
- Water Treatment for Potable Uses
- Stormwater Mitigation
- Rain Water Harvesting Education
- Codes and Standards
- [Technical Tours](#) to residential, large agricultural, municipal applications and more

Networking Opportunities - time is built into the conference agenda to encourage informal meeting with presenters and conference attendees. Hosted hospitality in the vendor hall, dinner at Skamania Lodge, food and beverage breaks with the vendors are great times to network with colleagues.

Sponsors and Exhibitors - Lots of vendor exhibit hall time - including hosted reception on Tuesday night

Rainwater Harvesting Training Opportunities:

- [100-Level Sept 24](#)
- [200-Level Sept 25-26](#)
- 300-Level presentations during Conference
- [300-Level Design & Construction Workshop Sept. 29 - Oct. 1](#)

[Poster Session](#) to highlight new research as well as your most innovative and uniquely designed catchment system.

[Registration is now open!](#)

Visit our website www.arcsa.org for more information.

*****NEW CLASSES HAVE BEEN ADDED*****
**RWH WORKSHOPS &
ACCREDITATION COURSES**

2011 WORKSHOPS

SAN ANTONIO, TEXAS

Palo Alto College
1400 W. Villaret Blvd.
San Antonio, Texas 75224

200 LEVEL

July 18-19, 2011 8:30am-5:00pm (both days)

Cost: \$395.00 for the 2-day class

OR \$545.00 for the 2-day class + Accreditation

[Please click here to register for the Level 200 Class in San Antonio](#)

NEW ORLEANS, LOUISIANA

Preservation Resource Center of New Orleans
923 Tchoupitoulas Street
New Orleans, Louisiana 70130

100 LEVEL

August 24, 2011 8:30am-5:00pm

Cost: \$75.00

[Please click here to register for the Level 100 Class in New Orleans](#)

200 LEVEL

August 25-26, 2011 8:30am-5:00pm (both days)

Cost: \$395.00 for the 2-day class

OR \$545.00 for the 2-day class + Accreditation

[Please click here to register for the Level 200 Class in New Orleans](#)

PORTLAND, OREGON

Clackamas Community College
Clairmont Hall
19600 Molalla Avenue
Oregon City, Oregon 97045

100 LEVEL

September 24, 2011 8:30am-5:00pm

Cost: \$75.00

[Please click here to register for the Level 100 Class in Portland](#)

200 LEVEL

September 25-26, 2011 8:30am-5:00pm (both days)

Cost: \$395.00 for the 2-day class

OR \$545.00 for the 2-day class + Accreditation

[Please click here to register for the Level 200 Class in Portland](#)

300 LEVEL - 2 1/2 day Design & Construction

September 29-October 1, 2011

Class Hours: Sept 29 - 1:00pm-5:00pm

Sept 30 - 8:30am-5:00pm

Oct 1 - 8:30am-12:00pm

Cost is \$395.00

[Please click here to register for the Level 300 Class in Portland](#)

SANTA MONICA, CALIFORNIA

Santa Monica Main Library

Multi-Purpose Room

601 Santa Monica Blvd.

Santa Monica, CA

200 LEVEL

November 14-15, 2011 8:30am-5:00pm (both days)

Cost: \$395 for the 2-day class

OR \$545.00 for the 2-day class + Accreditation

[Please click here to register for the Level 200 Class in Santa Monica](#)

As a reminder, in order to take the accreditation exam after the level 200 workshop, you must be a current member of ARCSA and remain in good standing. To sign up to be a member of ARCSA if you are not already, [please click here.](#)

ARCSA continues to finalize the 2011 workshop and class schedules. To reviews the types of courses that are offered by ARCSA, please visit the [ARCSA Website](#). The [ARCSA Event and Education Calendar](#) will continue to be updated on a regular basis, so be sure to check often for additional dates being posted. If you are interested in learning more about becoming an ARCSA Accredited Professional, you can review the [program online](#).

If you are interested in hosting or sponsoring an ARCSA workshop, please contact Teri Randall (ARCSA Education Coordinator) at education@arcsa.org.

**INTERESTED IN SERVING ON ARCSA'S
BOARD OF DIRECTORS?**

If you are interested, we need your application by August 12, 2011! ARCSA has nine Directors, and the terms for five (5) of them will expire this

September. We will be holding an election at the 2011 Annual Membership Meeting, which will be held on September 29, 2011. We will elect five (5) Directors to serve for a 2 year term. If you are interested, please go to the [ARCSA website](#). We are asking individuals to self-nominate themselves by completing the ARCSA Board of Directors [Self-nomination form](#).

Qualifications for the Board of Directors are that one is at least 21 years of age and a Member of ARCSA in good standing. Individuals who are elected to the Board of Directors will be required to complete and sign ARCSA's [Conflict of Interest](#) and [Code of Conduct and Ethics](#).

If you are interested in becoming a member of ARCSA's Board of Directors, please complete the self-nomination form and email to Ramiro.Ortiz@arcsa.org or mail to 823 Congress Avenue, Suite 230, Austin, TX 78701 by August 12, 2011. Your self-nomination form will be made available to the Membership to present your qualifications prior to the election for the Board of Directors.

PROMOTE YOUR BUSINESS!

Are you looking for ways to get your company name, product or service out in the RWH Industry? Then you need to be one of the first advertisers in the new ARCSA Quarterly Newsletter an ARCSA Website Sponsor. Advertise in one newsletter or in all four, to get the most visibility. As a website sponsor, your sponsor logos will scroll and appear on each page. When the logo is clicked on, it will take the user to sponsor page with a company description and contact information. A great way to get your information out to ARCSA members, non members and consumers. To get the advertising and sponsorship application, please contact Tisha Mackey at tisha.mackey@arcsa.org or call the ARCSA office at (512) 617.6528 to have the registration form sent to you.

ARCSA's NEW ELECTRONIC VOTING SYSTEM

Our new electronic voting system will allow our Members to vote from their home or office on matters that are of importance to ARCSA. Our first use of the new electronic system will be for the 2011 Board of Directors election. Our Members will now have more choices on how to cast their vote. Members will now be able to cast their vote electronically, prepare a proxy so that another member attending the annual Membership meeting can vote on their behalf or attend the Membership meeting in person to cast their vote.

[Click here](#) to view instructions on what you will see and how the new electronic voting system will work. Please contact Ramiro Ortiz with any questions at ramiro.ortiz@arcsa.org.

CODE AND STANDARDS UPDATE

By E. W. Bob Boulware, P.E.

In addition to the bill approving non-potable applications of rainwater for the State of Georgia that was passed last year, Atlanta is currently considering the first approval of rainwater for potable water applications in the country.

International Green Building Code 2012 call for comments:

Last May, I was honored to sit on the Energy / Water Public Comments Review Committee for the International Green Construction Code (IgCC) in Dallas. The purpose of this meeting was to accept or reject the public comments on the latest edit of the IgCC. The actions taken have been posted on both the IgCC and ISPSC sites in a document entitled the Report of Hearing.

The opportunity to respond to these actions is now available through August 12.

All public comments submitted must refer to the committee actions from the full Report of the Public Hearing for the IGCC developed in Dallas and now is available for download on the ICC website at <http://www.iccsafe.org/cs/IGCC/Documents/2011ProposedChanges/2011-ROH.pdf>.

This report provides the result for each code change item heard over the seven day period, along with the committee's reason statement. The comments submitted will be compiled and posted in the Final Action Agenda which will be posted September 16th and will serve as the agenda for the Final Action Hearings (FAH) in late October/early November (the schedule will not be set until we compile the comments in order to assess volume/time demands).

Public comments must be submitted using the appropriate form, which can be downloaded from <http://www.iccsafe.org/cs/codes/Pages/publicforms.aspx>

Each public comment must address a specific code change item from the Report on Hearings, and suggest necessary changes to the text of the original code language. As with the original code proposal, changes must be in underline (for new text) and strikeout (for deleted text) form. The submitted verbiage must be in the exact language you would like to see in the final code document. "Opinions" (i.e. "this is rubbish") even if accurate, are not considered comments and are not appropriate.

Special attention should be given to GEW 440 - 11 which is a revision to Section 707.13.10, Chapter 12. The Water Quality Standard that was submitted and approved at the Dallas conference refers to ASTM 2727 which defines rainwater in a restrictive fashion, more closely approximating distilled water out of the downspout, than what reasonably would be appropriate for water safely stored in a cistern.

What I am proposing approximates the Texas Water Quality Board Standard for Rainwater Harvesting Systems. My proposed language further establishes how the cistern is to be maintained and what measures are necessary should the standards be exceeded.

Suggested verbiage for your consideration follows:

Delete in its entirety (Confirm final verbiage from website document)
707.13.10, Chapter 12 Proponent: Dru Meadows, representing
theGreenTeam, Inc. (dmeadows@thegreenteaminc.com)

The quality of the water for the intended application shall be verified at the point of use in accordance with the requirements of the jurisdiction. Except where site conditions as specified in ASTM E 2727 affect the rainwater, collected rainwater shall be considered to have the parameters indicated in Table 707.13.10.

TABLE 707.13.10 RAINWATER QUALITY PARAMETER VALUE

| | |
|---------------|--|
| pH | 6.0 - 7.0 |
| BOD | Not greater than 10 mg/L |
| NTU | Not greater than 2 fecal coliform Non detectable in100mL |
| sodium | Non detectable sodium in 100mL |
| Chlorine | No detectable chlorine in 100mL |
| Enteroviruses | No detectable enteroviruses in 100mL |

Substitute as follows:

707.13.10 Water quality test. The quality of the water for the intended applications shall be verified at the point of use in accordance with following requirements.

TABLE 707.13.10 RAINWATER QUALITY

| Treatment Level | Non Potable 1 | Potable |
|-----------------------|--------------------|----------------|
| Total Coliform | < 500 CFU / 100 ml | 0 |
| Fecal Coliform(eColi) | < 100 CFU / 100 ml | 0 |
| Turbidity | < 10 NTU | < 0.3NTU |
| Protozoan Cysts | | 0 |
| Testing Frequency 2 | Every 12 Months | Every 3 Months |

1. Suitable for toilet and urinal flushing, washing machine makeup, and other approved applications listed in Table 705.2.1 in occupied space for environments with non health impaired occupants.

2. Upon failure of total and fecal coliform test, system shall be re-commissioned involving cleaning, and retesting in accordance with section 707.16.1.1.1

Reason:

1. Suggested standard (ASTM E 2727) is not appropriate standard for rainwater storage.
2. Proposed Water Quality Standard exceeds Rainwater Use Standard in the United Kingdom (BS 8515:2009) and Australian Standard, and consistent with Texas Rainwater Standard (as stated in Harvesting, Storing, and Treating Rainwater for Domestic Indoor Use, January 2007, Texas Commission on Environmental Quality,), and EPA standard for coastal swimming quality water.
3. Testing requirement is intended to be a requirement of the system owner to maintain a record of the maintenance and testing history.

4. This standard and testing methodology is supported by the American Rainwater Catchment Systems Association (ARCSA)

Each public comment will be given a number and each will be heard at the Final Action Hearings during the period of October 31st - November 6th, 2011 at the Phoenix Convention Center in Phoenix, AZ. The exact dates and the hearing schedule are to be determined, based on the number of comments received.

This will represent the final opportunity to influence the content of the IgCC until the 2015 version is developed, so be sure to get involved. Again key dates are:

- August 12, 2011 - Public comments due
- September 16, 2011 - All public comments posted on the web
- October 31-November 6, 2011 - Final Action Hearing

Let me know if you have any questions!

E. W. Bob Boulware, P.E.
Design-Aire Engineering, Inc,
Indianapolis, Indiana
bboulware@design-aire.com
Phone 317-464-9090 / Fax 317-464-9393

This year has seen significant activity in getting Rainwater Harvesting accepted as a bonified alternative water source. As you are reading this article, a bill setting standards for rainwater catchment and storm water management is in the final approval process in California, having unanimously passed the legislature and Senate Environmental Quality Committee and now headed for review by the full Senate.

ARCSA WATER BOTTLE



Do you have the new ARCSA Water Bottle yet? They are a stainless-steel blue, BPA-free water bottle with the ARCSA logo. There is a limited quantity, so be sure to order yours before we run out!

[Click here](#) to order your ARCSA Water Bottle TODAY!

NEW WEBSITE FEATURE

The [Project Gallery](#) is a terrific business tool in the form of a member benefit. Projects shown on the ARCSA website tell the special story about your rainwater harvesting project in your own words.

We offer one free listing, and subsequent projects are only \$150 per year. Send us your JPG photos and complete a [Project Submittal](#) form. We'll put it together in an attractive fashion that can draw potential clients to your business. Individual members not in the business are equally encouraged to show the world your masterpiece. If you have any questions, contact us at (512) 617.6528 or by email at info@arcsa.org.

ARCSA LOGO USAGE

If you are a member of ARCSA and use the ARCSA Logo on your website or marketing materials, please take a few minutes to review the [ARCSA Logo Policy](#) on the website.

If you have questions or comments, please send to the ARCSA Office at info@arcsa.org or call (512) 617.6528

PASS IT ALONG - IT'S FREE!

The ARCSA monthly E-News is a free electronic publication. Please read and pass along to your friends, co-workers and family members! If someone you know would like to start receiving the ARCSA monthly E-News, please [click here](#) to go to the ARCSA main page and sign up!

American Rainwater Catchment Systems Association

823 Congress Avenue
Suite 230
Austin, Texas 78701
Phone (512) 617.6528
Fax (512) 495.9031
Email info@arcsa.org
Web www.arcsa.org

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American Rainwater Catchment Systems Association | 919 Congress Ave. | Suite 460 | Austin | TX | 78701