

Looking Ahead: Managing Stormwater and Harvesting Rainwater for Conservation Conference Schedule

Friday, Oct 27, 2006, Tucson, AZ

American Rainwater Catchment Systems Association, Southwest Region
Consortium for Action Throughout the Community for Harvesting Water

Morning Session

7:30 AM Registration

8:00 Welcome

Heather Kincade-Levario, ARCSA President and
Steve Leal, City of Tucson Council Member, Ward 5

8:15 Keynote: The Legality of Harvesting Rainwater

Robert Glennon, Morris K. Udall Professor of Law & Public Policy, author of *Water Follies: Groundwater Pumping and the Fate of America's Fresh Waters*; and
Julia Fonseca, Pima County Regional Flood Control District, Environmental Planning Manager.

Stormwater Management

8:40 An Overview of Stormwater Harvesting for Water Supply Augmentation

Eve Halper, Natural Resource Specialist
U.S. Bureau of Reclamation

9:00 Finding NEMO (Non-Point Education for Municipal Officials) - After the Storm

Kristine Uhlman, Director of Project NEMO
Water Resources Research Center, University of Arizona

9:20 Water Harvesting Potential in an Arid City: A Quantity Assessment for Tucson, Arizona

Martin Yoklic, Associate Research Scientist
Environmental Research Laboratory, University of Arizona

9:40 Managing Stormwater Through Low Impact Development (LID) to Restore an Urbanized Watershed

Neal Shapiro, Environmental Programs Division
City of Santa Monica, CA

10:00 Break

10:15 The Challenges of Stormwater Management

Jon Sherrill, Stormwater Program Coordinator
City of Chandler, AZ

10:35 A Preliminary Assessment of the Multipurpose Benefit of Water Harvesting at Regional Detention/Retention Facilities in Pima County

Evan Canfield
Pima County Regional Flood Control District, AZ

10:55 Barriers to Commercial Scale Rainwater Harvesting and Management System Development or The Many Reasons I Have Heard Why We Cannot Construct Buildings That Take Advantage of Rainwater

David Confer, Sustainable Design and Development Engineer
Martin Yoklic, Associate Research Scientist
Environmental Research Laboratory, University of Arizona

Legal/Code Issues

11:15 City of Tucson Water Harvesting Guidance Manual: Meeting Code Requirements

Frank Sousa, Hydrologist
City of Tucson, AZ

11:40 Panel: Managing Stormwater and Harvesting Rainwater Legal/Code Issues

Frank Sousa, *Evan Canfield*, *Robert Glennon* and *Deirdre Brosnihan* (Department of Hydrology and Water Resources, University of Arizona Graduate Student)

12:00 Lunch/Video: Stormwater Management from a Watershed Perspective: Extreme Western Climates

Produced by *Kristine Uhlman*

Afternoon Session

1:00 Turning Drains into Sponges

*Brad Lancaster, author
Rainwater Harvesting for Drylands*

Planned Housing Development

1:20 Implementing Low Impact Development In Nevada and California

*Chris Conway
Kennedy/Jenks Consultants, NV*

1:40 Design of Rainwater Harvesting and Graywater Systems for Sustainable and Affordable Housing in Guadalupe, Arizona

*Daniel Glenn, Design Director
Arizona State University Stardust Center for
Affordable Homes and The Family*

2:00 Rain Harvesting is a Proven Supplemental Water Supply for Master Planned Communities

*Terry McMains, President
Aqua Harvest, Santa Fe, NM*

2:20 Break

Vegetative Promotion

2:35 Roof-Reliant Landscaping: Cisterns and a New Approach to Gardening in the Southwest

*Nate Downey, President
Santa Fe Permaculture, Inc., NM*

2:55 Water Harvesting for Habitat Restoration: Bloom or Bust

*Kendall Kroesen
Tucson Audubon Society, AZ*

3:15 The Fourth Wave of Southwest Desert Landscape Irrigation - Back to Rainwater

*Grant McCormick, Campus & Facilities Planning
University of Arizona*

Rainwater Storage and Water Quality

3:35 Rainwater Harvesting for Potable Water Use

*Robert Seaman, Student Research Assistant
Environmental Research Lab, University of Arizona*

3:55 Cistern Water Quality at 12 Sites in Tucson, AZ

*Richard "Rocky" Brittain, School of Architecture and
Dr. Jim Riley, Associate Professor
Dept. of Soil, Water and Environmental Science
University of Arizona*

4:15 The German Model of Rainwater Collection: Creating High Quality Water

*Joe Wheeler,
Rainfilters of Texas, LLC*

4:35 Panel: Rainwater Storage and Water Quality

Robert Seaman, Jim Riley and Joe Wheeler

4:55 Conference Conclusion / Field Trip Details