
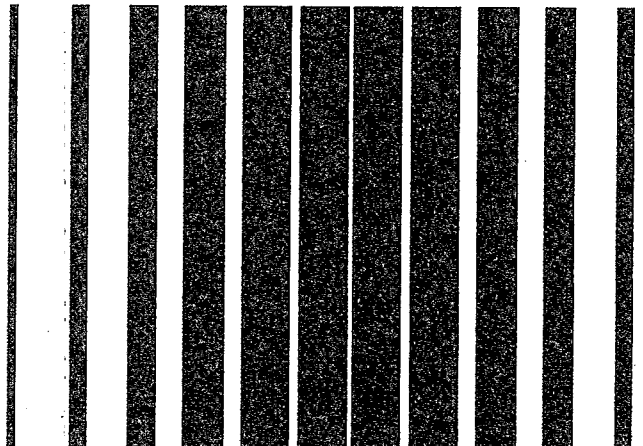


United States
Environmental Protection
Agency

Technology Transfer

 **Sustainable Urban
Water Resources
Infrastructure:
A Vision of the
Future**

August 24-26, 1999
The Driskill Hotel
Austin, Texas



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**U.S. Environmental Protection Agency
Office of Research and Development
National Risk Management
Research Laboratory
Center for Environmental
Research Information**

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Resources Infrastructure:
A Vision of the Future**

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Workshop Purpose

As we move into the 21st century, the nation is focusing its efforts on the development of reliable self-sustaining systems for delivering, collecting and reusing our urban water resources. The long-term goal, in most cases, is the evolution of our existing water and wastewater infrastructure into efficient systems for water delivery, wastewater collection, and water reuse. As our metropolitan areas grow, we face daily decisions on expanding existing systems or creating innovative and decentralized new systems. In trying to resolve these infrastructure challenges, we need to understand the successes and mistakes of the past and incorporate cutting-edge innovations with an eye toward future needs.

This workshop will take a brief retrospective look at our existing urban water resources infrastructure, highlight innovative approaches to current infrastructure problems, and most important, introduce visionary thoughts on and designs for systems of the future. A secondary purpose is to challenge workshop participants to "think outside the box," discussing the potential of the ideas introduced, and debating the technical and institutional issues in sustaining our future urban water resources infrastructure.

Who Should Attend

Municipal water resources managers and providers; federal, state and local environmental decision-makers; academic researchers; environmental activists; and engineering consultants.

The Program

The 2-day workshop will present three distinct, in-depth visions of innovative solutions to urban water resource infrastructure management and design challenges. In addition, there will be selected technical presentations on current trends in the field of infrastructure operation and construction. Throughout the workshop, participants will be encouraged to debate and provoke discussion on issues raised by the presenters and other members of the audience through question and answer sessions, panel discussions, breaks, lunches, and a reception. In addition, there will be a field trip to sites in the Austin area that will allow participants to see demonstrations and applications of innovative systems.

Preliminary Agenda

Tuesday, August 24, 1999

- 7:30-8:30 a.m. Registration
- 8:30 a.m. Welcome and Overview of Workshop
Dan Murray, U.S. EPA-ORD-NRMRL
- 8:45 a.m. Water 2010: Issues and Drivers
Richard Pinkham,
Rocky Mountain Institute
- 9:15 a.m. Austin's Proactive Approach
Toby Futrell, City of Austin
- 9:45 a.m. Look to the Future from EPA's
Office of Water
Bob Lee, U.S. EPA-OWM
- 10:15 a.m. Break
- 10:45 a.m. Vision of the Future #1
Bruce Beck, Warnell School of
Forests, University of Georgia
- 12:15 p.m. Lunch
- 1:45 p.m. Low Impact Development
Larry Coffman, MD Dept. of
Environmental Resources
- 2:15 p.m. Aquifer Storage Recovery
R. David Pyne, CH2M Hill
- 2:45 p.m. Break

- 3:15 p.m. Vision of the Future #2
Damann Anderson
Richard Otis, Ayers Associates
- 4:45 p.m. Adjourn/Reception

Wednesday, August 25, 1999

- 7:30-8:30 a.m. Registration
- 8:30 a.m. Flow Monitoring and System Control
Gary Skipper, MGD Technologies
- 9:00 a.m. Trenchless Infrastructure Systems
Raymond Sterling, Center for
Trenchless Technology,
Louisiana Tech University
- 9:30 a.m. New Designs for Urban
Watersheds
Andy Lipkis, TreePeople
- 10:00 a.m. Break
- 10:30 a.m. Vision of the Future #3
Neil Grigg, University of Colorado
- 12:00 p.m. Lunch
- 1:30 p.m. Our Water Resources
Infrastructure: How We Got Here
and Where We are Going
David Venhuizen, P.E.
- 2:15 p.m. Future Challenges
Richard Pinkham
- 2:30 p.m. Panel Discussion—
Future Directions 3
Vision Groups
- 4:00 p.m. Wrap-up and Adjourn

Thursday, August 26, 1999

- 8:30 a.m. Field Trip

A field trip will be conducted to several sites in the Austin area. These sites will likely include Austin's new training facility for natural treatment and sand filter systems; research facilities at the University of Texas for studying runoff treatment; and a stormwater wetland treatment system. It is expected that the field trip will end by mid-afternoon.

To register for the Workshop, complete the information below and send it to
Lisa Enderle, SAIC, 2222 Gallows Rd., Ste. 300, Dunn Loring, VA 22027, or fax it to Lisa Enderle at fax# (703) 698-6101

Name _____

Affiliation _____

Address _____

City _____

State _____ Zip _____

Telephone () _____

Fax () _____

Email _____

I plan to attend the field trip.

There is no cost for attending this workshop. Attendance will be limited, so early registration is encouraged.

For More Information

For information regarding workshop registration or program details or hotel accommodations visit EPA's *Technology Transfer Highlights* website at www.epa.gov/ttbnrmrl or call (703) 645-6945.

Hotel Information

A block of rooms has been reserved at:

The Driskill Hotel
601 Brazos St.,
Austin, TX 78701
(800) 252-9367 (for reservations)

A limited number of government rate guest rooms are available. ID is required at check-in.

The Workshop guest room rate is \$135 per night plus tax.

Hotel Registration Cut-off Date: July 31, 1999. (Rooms may not be available at the Workshop rate after this date.)



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