

Northeast Summit on Monitoring Technologies and Early Warning Systems for Drinking Water Supplies

Thursday, October 2, 2008

New Jersey Rutgers EcoComplex

1200 Florence-Columbus Rd.
Bordentown, NJ 08505-4200
(Directions provided on reverse side)

2008 Fall Seminar
Announcement

Please complete this form and mail it with your check for the registration fee payable to the **Water Resources Association (WRADRB)**

P.O. Box 1267 Exton, PA 19341

In order to guarantee your reservation, payment must be received by September 29, 2008. Reservations may be made by contacting WRADRB at (610) 917-0090, (610) 917-0091 FAX or by email at info@wradrb.org. Registration at the door will be accepted subject to seating availability. We accept checks or cash but no charge cards.

Seminar Registration Fee

General Registration (\$30) \$ _____

*Registration fee includes a box lunch and refreshments
One name per registration form. Please make
additional copies of this form as needed.*

Name _____

Name Tag Name _____

Title _____

Affiliation _____

Address _____

Phone/Email _____

NJ & PA TCHS offered - Contact WRA for more information

CANCELLATION POLICY: A full refund will be made for cancellations received before Monday, September 29, 2008. No refunds will be made after this date.

Water Resources Association
of the Delaware River Basin
P.O. Box 1267
Exton, PA 19341

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Presented by the
Delaware River Basin Commission
and the
Philadelphia Water Department

In cooperation with the
**Water Resources Association
of the Delaware River Basin**



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Seminar Agenda

- 8:30 AM - **Registration**
- 9:00 AM - **Welcome and Introductory Remarks**
Robert Tudor, Deputy Executive Director, Delaware River Basin Commission
- 9:15 AM - **Overview of Water Security Regulations and National Monitoring Effort**
Alan Roberson, Director of Security and Regulatory Affairs, American Water Works Association
- Theme 1: New Monitoring Technologies and Research**
- 9:45 AM - **Challenge Studies of Pittsburgh's Pilot Drinking Water Contamination Warning System**
Stanley States, Water Quality Manager, Pittsburgh Water and Sewer Authority
- 10:15 AM - **AquaSentinel: A Real-Time Reagentless Biosensor System for Standoff Detection and Classification of Toxins in Source Water**
Elias Greenbaum, Chemical Sciences Division, Oak Ridge National Laboratory
- 10:45 AM - **Break**
- 11:00 AM - **Detection of Waterborne Pathogens**
Zia Bukhari, Senior Molecular Biologist, Innovation & Technology, American Water
- 11:30 AM - **On-line Water Quality Parameters As Indicators of Distribution System Contamination**
John Hall, Physical Scientist, EPA National Homeland Security Research Center, Test and Evaluation.
- 12:00 Noon - **Panel Discussion on New Directions in Monitoring Technologies**
- 12:30 PM - **Lunch**
- Theme 2: Early Warning Systems Experiences and Developments**
- 1:15 PM - **National Capitol Region Water Security Monitoring Network**
Jim Shell, Principal Water Resources Planner, Metropolitan Washington Council of Governments
- 1:45 PM - **Susquehanna Basin Early Warning System**
Andrew Gavin, Chief, Restoration and Protection Section, Susquehanna River Basin Commission
- 2:15 PM - **Break**
- 2:30 PM - **New York City Drinking Water Contamination Warning System**
Tom Shedd, Research Biologist, U.S. Army Center for Environmental Health Research
- 3:00 PM - **Development of an Integrated Early Warning System in the Philadelphia Region**
William Cesanek, AICP, CDM; Rita Kopansky, Water Quality and Research Supervisor, Philadelphia Water Department
- 3:45 PM - **Panel Discussion Comparing Northeast Early Warning System Experiences**
- 4:15 PM - **Closing Remarks**
Robert Tudor, Deputy Executive Director, Delaware River Basin Commission
- 4:30 PM - **Adjournment**

The Delaware and Schuylkill Rivers provide drinking water for over one million people in the Philadelphia metropolitan area. The Delaware and Schuylkill are also home to an active urban port and numerous chemical manufacturers, refineries, defense industries, power generation facilities, and large scale municipal waste water treatment plants. These rivers have a long legacy of spills and near misses, including recent dramatic oil releases from the tanker Athos I and fly ash from PPL Martins Creek power plant. These incidents challenge not only those charged with contingency planning and emergency response in the Basin, such as the Coast Guard, Corps of Engineers and the State Environmental Agencies, but also the many organizations, agencies and industries that rely on the resources provided by the Basin, including water suppliers.

Given the potential threats due to accidents such as that experienced with the Athos I spill, terrorism and related activities, the Basin's waters will continue to be vulnerable to deliberate, accidental, and natural contamination events. This seminar, following successful events in 2005 and 2007, examines the efforts underway to improve incident detection and notification within drinking water supplies.

