

# 2007 Maryland Ground Water Symposium

Thursday, September 27, 2007  
Martins West, Baltimore Maryland

## Morning Plenary: *Embassy Room*

9:00 - 9:10	<b>Welcome and Opening Remarks</b> Jay G. Sakai, Director, Water Management Administration, MDE
9:10 - 9:35	<b>Keynote Address</b> Robert M. Summers, Deputy Secretary, Maryland Department of the Environment
9:35 - 10:00	<a href="#"><u>The Dorchester County Experience With Hurricane Isabel</u></a> William Forlifer, Director of Environmental Health, Dorchester County Health Department
10:00 - 10:25	<b>HB1141 – The Water Resources Element of the Local Comprehensive Plan</b> Janice Outen, Water Quality Infrastructure Program, MDE

## Break 10:25 – 10:40

## Morning Breakout Sessions

<i>Wayne Room</i>	<i>Maryland Room</i>	<i>Regency Room</i>	<i>Embassy Room</i>
Stormwater Management	Fundamentals	Water Reuse	Onsite Sewage Disposal
10:40 – 11:10			
<a href="#"><u>Hydrogeologic Disposal of Large Storm Runoff in Karst Terrain Using a Gravity Recharge Method</u></a> Jim L. Lolcama KCF Groundwater, Inc.	<a href="#"><u>An Overview of Ground Water in MD</u></a> Andrew Staley, Geologist Maryland Geological Survey	<a href="#"><u>Water Reuse: Opportunities and Challenges</u></a> Robert Bastian Office of Wastewater Management U.S. Environmental Protection Agency	<a href="#"><u>Anne Arundel County Use of GIS to Prioritize BRF Grant Funding</u></a> Bill Deck Bridgett Nadolny Anne Arundel Co Environmental Health
11:15 – 11:45			
<a href="#"><u>Retention Ponds as a Key to Long-Term Salinization of Shallow Ground Water</u></a> Ryan Casey, Ph.D., Associate Professor Environmental Science & Studies Prog Towson University	<b>Demonstrating Ground Water Flow in Confined and Unconfined Aquifers</b> Herb Reed, Extension Educator Maryland Cooperative Extension	<a href="#"><u>The Performance of a Submerged Attached Growth Bioreactor Coupled with Membrane Filtration for Water Reuse</u></a> Philip B. Pedros, Ph.D., P.E. F.R. Mahony & Associates	<a href="#"><u>Long Term Performance of Pressure Distribution Networks</u></a> Barry Glotfelty, R.S. Don Hammerlund, R.S. Wastewater Permits Program, MDE

## Lunch 11:45 – 12:45: *Terrace and Camellia Rooms*

## Afternoon Plenary: *Embassy Room*

12:45 - 1:05

[Preparing for Pandemic Flu](#)

Barry O'Brien, Deputy Program Manager, Water Supply Program, MDE

### Afternoon Breakout Sessions

<i>Wayne Room</i>	<i>Maryland Room</i>	<i>Regency Room</i>	<i>Embassy Room</i>
<b>Stormwater Management</b>	<b>Fundamentals</b>	<b>Protecting Sources</b>	<b>Onsite Sewage Disposal</b>
1:10 – 1:40			
<a href="#">Environmental Site Design and the Stormwater Management Act of 2007</a> Brian Clevenger Sediment, Stormwater, and Dam Safety Program, MDE	<a href="#">Applications of Ground Water Flow Models</a> David Drummond, Hydrogeologist Maryland Geological Survey	<a href="#">Protection of Linganore Creek Watershed in Frederick County, MD</a> Tim Goodfellow, AICP, Principal Planner Frederick County Maryland	<a href="#">Nutrient Loading From Onsite Sewage Disposal Systems</a> Jay Prager, R.S. Wastewater Permits Program, MDE
1:45 – 2:15			
<a href="#">Design, Construction, &amp; Benefits of Integrated Sand Seepage Stream &amp; Wetland Construction Projects</a> Keith Underwood, Erik Michelsen Underwood & Associates Joe Berg, Biohabitats, Inc.	<a href="#">Basic Water Treatment for Transient Noncommunity Water Systems</a> Dee Whitcomb, R.S. Water Supply Program, MDE	<a href="#">Protection of Ground and Surface Waters in Agricultural Areas</a> Patsy Allen Wastewater Permits Program, MDE	<a href="#">Cooking Grease: Its Effect on Our Water Infrastructure</a> Sue Allen, R.S. Department of Environmental Protection Montgomery County, Maryland
<b>Break 2:20 – 2:35</b>			
<b>Water Resource Management</b>	<b>Fundamentals</b>	<b>Contamination Investigation</b>	<b>Onsite Sewage Disposal</b>
2:35 – 3:05			
<a href="#">Artificial Recharge in Fractured Bedrock Aquifers</a> William Seaton, Ph.D., P.G. ARM Group, Inc.	<a href="#">Overview &amp; Historical Perspective of Operator Certification</a> E. Lee Haskins, R.S., Lawrence Robinson Board of Waterworks and Waste Systems Operators, MDE	<a href="#">Norovirus Outbreak at a Camp in August 2006 – Epidemiology and Investigation</a> John Resline, R.S. Bureau of Environmental Health Harford Co	<a href="#">Decentralized Wastewater Treatment and the Path to Affordable Infrastructure Reform</a> Craig Lindell, CEO Aquapoint, Inc.
3:10 – 3:40			
<a href="#">Steady-State Ground Water/Stream Flow Model for the Monocacy River Basin</a> Cherie L. Schultz, Ph.D. James B. Palmer ICPRB	<a href="#">Toward Zero Discharge in Water Treatment</a> Richard A. Mest, President Master Water Conditioning Corporation	<a href="#">Norovirus Outbreak at a Camp in August 2006 – Dye Trace Studies</a> Travis Sterner, R.S. Water Supply Program, MDE William Evans Water Quality Monitoring Program, MDE	<a href="#">Exploring the Concepts of Social Marketing for the Use of Best Available Technologies (BAT) in Onsite Sewage Disposal Systems (OSDS)</a> John Boris, R.S. Wastewater Permits Program, MDE
3:45 – 4:15			
<a href="#">An Aquifer Information System for Assessment and Allocation of Ground Water in the Atlantic Coastal Plain</a> Bradley D. Garner, Hydrologist U. S. Geological Survey	<a href="#">New Appropriation Permit Legislation</a> Paul Emmart, Marianna Eberle Water Supply Program, MDE	<a href="#">Impacts of Fly Ash on Groundwater in Anne Arundel County, Maryland</a> Frances Phillips R.N., M.H.A., Health Officer Brian Chew R.S. Anne Arundel Co Department of Health	<a href="#">Operation &amp; Maintenance of OSDS</a> David Duree Advance Systems