

2007 Maryland Ground Water Symposium

Thursday, September 27, 2007
Martins West, Baltimore Maryland

Morning Plenary: *Embassy Room*

9:00 - 9:10	Welcome and Opening Remarks Jay G. Sakai, Director, Water Management Administration, MDE
9:10 - 9:35	Keynote Address Robert M. Summers, Deputy Secretary, Maryland Department of the Environment
9:35 - 10:00	<u>The Dorchester County Experience With Hurricane Isabel</u> William Forlifer, Director of Environmental Health, Dorchester County Health Department
10:00 - 10:25	HB1141 – The Water Resources Element of the Local Comprehensive Plan 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			
<u>Hydrogeologic Disposal of Large Storm Runoff in Karst Terrain Using a Gravity Recharge Method</u> Jim L. Lolcama KCF Groundwater, Inc.	<u>An Overview of Ground Water in MD</u> Andrew Staley, Geologist Maryland Geological Survey	<u>Water Reuse: Opportunities and Challenges</u> Robert Bastian Office of Wastewater Management U.S. Environmental Protection Agency	<u>Anne Arundel County Use of GIS to Prioritize BRF Grant Funding</u> Bill Deck Bridgett Nadolny Anne Arundel Co Environmental Health
11:15 – 11:45			
<u>Retention Ponds as a Key to Long-Term Salinization of Shallow Ground Water</u> Ryan Casey, Ph.D., Associate Professor Environmental Science & Studies Prog Towson University	Demonstrating Ground Water Flow in Confined and Unconfined Aquifers Herb Reed, Extension Educator Maryland Cooperative Extension	<u>The Performance of a Submerged Attached Growth Bioreactor Coupled with Membrane Filtration for Water Reuse</u> Philip B. Pedros, Ph.D., P.E. F.R. Mahony & Associates	<u>Long Term Performance of Pressure Distribution Networks</u> 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>
Stormwater Management	Fundamentals	Protecting Sources	Onsite Sewage Disposal
1:10 – 1:40			
Environmental Site Design and the Stormwater Management Act of 2007 Brian Clevenger Sediment, Stormwater, and Dam Safety Program, MDE	Applications of Ground Water Flow Models David Drummond, Hydrogeologist Maryland Geological Survey	Protection of Linganore Creek Watershed in Frederick County, MD Tim Goodfellow, AICP, Principal Planner Frederick County Maryland	Nutrient Loading From Onsite Sewage Disposal Systems Jay Prager, R.S. Wastewater Permits Program, MDE
1:45 – 2:15			
Design, Construction, & Benefits of Integrated Sand Seepage Stream & Wetland Construction Projects Keith Underwood, Erik Michelsen Underwood & Associates Joe Berg, Biohabitats, Inc.	Basic Water Treatment for Transient Noncommunity Water Systems Dee Whitcomb, R.S. Water Supply Program, MDE	Protection of Ground and Surface Waters in Agricultural Areas Patsy Allen Wastewater Permits Program, MDE	Cooking Grease: Its Effect on Our Water Infrastructure Sue Allen, R.S. Department of Environmental Protection Montgomery County, Maryland
Break 2:20 – 2:35			
Water Resource Management	Fundamentals	Contamination Investigation	Onsite Sewage Disposal
2:35 – 3:05			
Artificial Recharge in Fractured Bedrock Aquifers William Seaton, Ph.D., P.G. ARM Group, Inc.	Overview & Historical Perspective of Operator Certification E. Lee Haskins, R.S., Lawrence Robinson Board of Waterworks and Waste Systems Operators, MDE	Norovirus Outbreak at a Camp in August 2006 – Epidemiology and Investigation John Resline, R.S. Bureau of Environmental Health Harford Co	Decentralized Wastewater Treatment and the Path to Affordable Infrastructure Reform Craig Lindell, CEO Aquapoint, Inc.
3:10 – 3:40			
Steady-State Ground Water/Stream Flow Model for the Monocacy River Basin Cherie L. Schultz, Ph.D. James B. Palmer ICPRB	Toward Zero Discharge in Water Treatment Richard A. Mest, President Master Water Conditioning Corporation	Norovirus Outbreak at a Camp in August 2006 – Dye Trace Studies Travis Sterner, R.S. Water Supply Program, MDE William Evans Water Quality Monitoring Program, MDE	Exploring the Concepts of Social Marketing for the Use of Best Available Technologies (BAT) in Onsite Sewage Disposal Systems (OSDS) John Boris, R.S. Wastewater Permits Program, MDE
3:45 – 4:15			
An Aquifer Information System for Assessment and Allocation of Ground Water in the Atlantic Coastal Plain Bradley D. Garner, Hydrologist U. S. Geological Survey	New Appropriation Permit Legislation Paul Emmart, Marianna Eberle Water Supply Program, MDE	Impacts of Fly Ash on Groundwater in Anne Arundel County, Maryland Frances Phillips R.N., M.H.A., Health Officer Brian Chew R.S. Anne Arundel Co Department of Health	Operation & Maintenance of OSDS David Duree Advance Systems