

Maryland Ground Water Symposium
Wednesday, September 29, 2010
Martins West
6817 Dogwood Road, Baltimore, MD 21244

Morning Plenary: *Embassy Room*

9:00 – 9:10	Welcome and Opening Remarks
9:10 – 9:35	Keynote Address - Shari Wilson, Secretary, Maryland Department of Environment
9:35 – 10:00	From Stepping into it to a Step Beyond - Paul Meyer, Director, Environmental Health Division, Prince George's County Health Department

Break 10:00 – 10:20

Morning Concurrent Sessions

<i>Embassy Room</i>	<i>Regency Room</i>	<i>Maryland Room</i>	<i>Wayne Room</i>
Hydrogeology	Water Quality	Onsite Systems and Waste Management	Water Resource Planning and Drinking Water

Morning Session One (10:20 – 10:50)

<u>Paleochannels, Lithology, and Aquifer Interaction Characterized using Surface Geophysical Methods at the Standard Chlorine of Delaware Superfund Site</u> - Michael J. Brayton, USGS	<u>The Marcellus Shale Play - Water Resource Issues in Pennsylvania</u> - Kevin J. Breen, USGS	<u>Bay Restoration Fund and Best Available Technology for Nitrogen Removal</u> - Shan Abeywickrama and Joshua Flatly, MDE Wastewater Permits Program	<u>Your Well Field - Do You Really Know What You Have?</u> - Cameron Warlick, HydroSource Associates, Inc.
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Morning Session Two (11:00 – 11:30)

<u>Simulation of Groundwater Flow to Assess Future Withdrawals Associated with Base Realignment and Closure (BRAC) at Ft. George G. Meade, MD</u> - Jeff P. Raffensperger, USGS	<u>Water Resources - Issues Related to Marcellus Gas Activity in Pennsylvania</u> - Bryan Swistock, Penn State University	<u>Site Evaluation and Onsite System Design Strategies for Severe Sites/Large Flows</u> - Tom W. Ashton, American Manufacturing	<u>Maintaining Well and Pump System Efficiency</u> - Neil Winner, MDE Water Supply Program
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Morning Session Three (11:40 – 12:10)

<u>An Overview of Groundwater in Maryland</u> - David W. Bolton, MGS	<u>Drilling for Gas in the Marcellus Shale Formation in Maryland</u> - Molly Edsall, MDE Mining Program	<u>Septic Systems and Wells in Karst Soils</u> - Barry Glotfelty, MDE Wastewater Permits Program	<u>Planning and Communicating Regulatory Approaches to Meet Drinking Water Needs</u> - John Gray, N.J. Department of Environmental Protection
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LUNCH (12:10 – 1:30)

Afternoon Concurrent Sessions

<i>Embassy Room</i>	<i>Regency Room</i>	<i>Maryland Room</i>	<i>Wayne Room</i>
Afternoon Session One (1:30 – 2:00)			
<u>Developments in the Groundwater Level Monitoring Networks in the Maryland Coastal Plain</u> - Heather Quinn, MGS	<u>Enhanced Remediation of Chlorinated Solvents from Contaminated Groundwater Using a Bioreactor System</u> - Charles Walker , USGS	Managing Onsite Systems from Cradle to Grave - Eric Evans, OnlineRME, LLC	<u>A Collaborative Water Resources Element Process</u> - Brenda Dinne, Carroll County Bureau of Comprehensive Planning
Afternoon Session Two (2:10 – 2:40)			
<u>Estimating Hydraulic Capture Using Universal Kriging with Hydrologic Drift Terms</u> - Matthew Tonkin and Rachel Shannon, S.S. Papadopoulos & Assoc., Inc.	<u>Evaluation of Bioremediation Feasibility in a Wetland Using Passive Samplers</u> - Michelle Lorah, USGS	<u>Recirculating Media Filters for Wastewater Treatment for Groundwater Protection</u> - Mark Gross, Orenco Systems, Inc.	<u>Water Allocation in the Piedmont Region of Maryland</u> - Lyn Poorman, MDE Water Supply Program
Break 2:40 – 2:55			
Afternoon Session Three (2:55 – 3:25)			
<u>Careful Hydrogeologic Evaluation May Protect Against Unfair and Baseless Domestic Supply Impact Allegations</u> - Mark Eisner and David L. Pielmeier, Advanced Land and Water, Inc.	<u>A Holistic View of Petroleum Recovery System Optimization</u> - Forest D. Arnold, MDE Oil Control Program	<u>Water Use in Maryland</u> - John Grace, MDE Water Supply Program	<u>Point of Entry Disinfection Strategies</u> - Larry Zinser, Master Water Conditioning
Afternoon Session Four (3:30 – 4:00)			
<u>Zone of Influence, Texas Quarry</u> - Peter A. Yencsik, MDE Mining Program	<u>Microconstituents on the Regulation Horizon</u> - Simin Rezai, MDE Water Management Administration	<u>Maryland's Water Reuse Regulations</u> - Ching-Tzone Tien, MDE Wastewater Permits Program	No Session Scheduled