

Draft Maryland Groundwater Symposium
Thursday, September 26, 2013
Martins West
6817 Dogwood Road, Baltimore, MD 21244

Morning Plenary: *Embassy Room*

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| 9:00 – 9:15 | Welcome and Opening Remarks |
| 9:15 – 9:45 | Keynote Address TBA |
| 9:45 – 10:15 | Local Environmental Health John Beskid, Conference of Environmental Health Directors |
| 10:15 – 10:45 | Anticipating and Preparing for Climate Change to Protect Water Resources Joel D. Scheraga, Ph.D., U.S. Environmental Protection Agency |

Break (10:45 – 11:05)

| <i>Maryland Room</i> | <i>Wayne Room</i> | <i>Embassy Room</i> | <i>Regency Room</i> |
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| Morning Session One (11:05 – 11:35) | | | |
| Composting Hilary Miller, Mike Eisner , Ed Dexter | Significant Deficiencies for Transient Non-Community Systems Travis Sterner Maryland Department of the Environment | Reducing Nitrogen Inputs from Onsite Wastewater Treatment Systems – A Regional Approach Marcia J. Degen, Ph.D., P.E. Virginia Department of Health | A Summary of the Hydrogeology and Groundwater Quality in the Vicinity of the Pearce Creek Dredge Material Containment Area, Cecil County, MD 2010-2011 Cheryl A. Dieter U.S. Geological Survey |

Break (11:35 – 11:40)

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| Morning Session Two (11:40 – 12:10) | | | |
| The Impacts of the Earthquake that Struck near Mineral Virginia on Groundwater Resources in Northern Virginia Peter J. Foster Emery & Garrett Groundwater Investigations, LLC | Where are the Lab Results? Linda Ames Massey MDE Water Supply Program | Bill Cagle Orenco Systems | Characterizing Groundwater Flow in a Multi-Aquifer System at a Superfund Site in the Coastal Plain Michael Brayton U.S. Geological Survey |

| Lunch (12:10 – 1:25) | | | |
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| <i>Maryland Room</i> | <i>Wayne Room</i> | <i>Embassy Room</i> | <i>Regency Room</i> |
| Afternoon Session One (1:25 – 1:55) | | | |
| Assessing Vulnerability of Urban Public Supply Wells in Fractured Siliciclastic Aquifer Systems Christopher A. Gellasch Uniformed Services University of the Health Sciences | Baseline Methane Concentrations in Drinking-Water Wells in the Appalachian Plateau Province of Western Maryland David W. Bolton & Minh Phung T. Pham Maryland Geological Survey | Protecting Maryland's Groundwater Through Improved Management and Education of Onsite Wastewater Treatment Systems Maureen Tooke U.S. Environmental Protection Agency | SHA Uses In-Situ Thermal Remediation to Clean Up Longstanding TCE Contamination Jeff Gernand, P.G. KCI Technologies, Inc. |
| Afternoon Session Two (2:00 – 2:30) | | | |
| Monitoring the Water Quality Response of Conservation Practices on the Eastern Shore John Clune U.S. Geological Survey | Evaluation of Lead and pH in Well Water from the Piedmont Area of Harford County, Maryland Kate Burgy and John Resline Maryland Geological Survey and Harford County Health Department | Moving into the 21st Century: Water Supply Information Permitting System Jeff Roberts | Estimating Thermoelectric Consumptive Water Use Susan S. Hutson U.S. Geological Survey |
| Break (2:30– 2:50) | | | |
| Afternoon Session Three (2:50 – 3:20) | | | |
| Source Water Protection John Grace | Insight into the Approaching Revised Total Coliform Rule Mike McMahon Maryland Department of the Environment | An Approach for Protecting Unconfined Drinking Water Aquifers Against Effluent Contamination Amy M. Parrish, PG, REHS Advanced Land and Water, Inc. | Groundwater Resource Exploration and Development Using Surface and Borehole Geophysical Methods William Seaton, PG, PhD ARM Group, Inc. |
| Afternoon Session Four (3:25 – 3:55) | | | |
| Delineation of a Wellhead Protection Area Around the Lyndhurst Well, August County, Virginia James M. Emery Emery & Garrett Groundwater Investigations, LLC | Overview and Historical Perspective of Operator Certification E. Lee Haskins, R.S. & Lawrence Robinson Board of Waterworks and Waste Systems Operators, MDE | Implementing New Onsite Wastewater Groundwater Protection Laws and Regulations; the Private Sector View David Duree MD On-Site Wastewater Professionals Association | Issues with the RCRA Groundwater Monitoring Program – Resolving Statistical and Hydrogeological Complexities Jason L Baer Maryland Environmental Service |