Maryland Ground Water Symposium  
Thursday, September 25, 2008  
Martins West  
6817 Dogwood Road, Baltimore, Maryland 21244

Morning Plenary: Embassy Room

9:00 - 9:10  Welcome and Opening Remarks

9:10 - 9:35  Keynote Address  
The Honorable Frank M. Johnson, Mayor of Mount Airy, Maryland

9:35 - 10:00  Management and Protection of the State’s Water Resources: Governor’s Advisory Committee Final Report  
Brigid Kenney, Planning Director, Office of the Secretary, Maryland Department of the Environment

Break  10:00-10:20

Morning Concurrent Sessions

<table>
<thead>
<tr>
<th>Wayne Room</th>
<th>Maryland Room</th>
<th>Regency Room</th>
<th>Embassy Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal Plain</td>
<td>Water Reuse</td>
<td>Drinking Water</td>
<td>Onsite Disposal Systems</td>
</tr>
</tbody>
</table>

Morning Session One  (10:20 – 10:50)

**Arsenic Distribution and Occurrence in Ground Water From Coastal Plain Aquifers In Maryland**  
David Drummond  
Maryland Geological Survey

Laying the Groundwork at the Local Level for Water Reuse Projects  
Robert Mitchell, RS, Worcester County Dept of Environmental Programs  
Rebecca Kugel, Howard County Dept of Public Works

Overview of the Ground Water Rule  
Nick Tymchenko  
Drinking Water Branch  
US Environmental Protection Agency  
Region III

Onsite Systems: Should They Be Used to Regulate Growth?  
Gene von Gunten, RS  
Montgomery County Dept of Permitting Services

Morning Session Two  (10:55 – 11:25)

Hydrology and Geochemistry Near Existing and Former Wetlands in the Upper Choptank Watershed, Maryland  
Judith M. Denver  
US Geological Survey

Towards Zero Discharge –The Greening of Gray Water  
Larry Zinser  
Master Water Conditioning Corporation

Implementation of the Ground Water Rule  
Travis Sterner, RS  
Water Supply Program  
MD Dept of the Environment

Howard County’s Program for Shared Sewage Disposal Facilities  
Rebecca D. Kugel  
Howard County Dept of Public Works

Aquifer Evaluation

Morning Session Three  (11:30 - 12:00)

Aurora Hills Stream and Wetland Restoration Project  
Keith Underwood  
Underwood & Associates

Do Hydraulic Conductivity Values in Varying Geologic Settings Depend on Selection of Slug Testing Field Methods and Data Evaluation Techniques?  
Amy Martinez  
Advanced Land and Water, Inc

Required Changes to Sanitary Surveys per the Ground Water Rule  
Dee Whitcomb, RS  
Water Supply Program  
MD Dept of the Environment

Capacity Allocation Model for OS Permitting and County Comprehensive Planning  
Craig Goodwin, NCS Wastewater Solutions  
Anish Jantrania, VA Dept of Health
Lunch 12:00 – 1:00: *Terrace and Camellia Rooms*

**Afternoon Plenary: Embassy Room**

1:00 – 1:35  
**Laboratory Emergency Preparedness and Response Capabilities**  
Prince Kassim, PhD, Chief, Analytical Services, Division of Environmental Chemistry, Maryland Department of Health and Mental Hygiene

1:35 – 2:00  
**EPA’s Draft "National Water Program Strategy: Response to Climate Change"**  
Elizabeth Corr, Associate Director, Drinking Water Protection Division, Office of Ground Water and Drinking Water, US Environmental Protection Agency

**Afternoon Concurrent Sessions**

<table>
<thead>
<tr>
<th>Wayne Room</th>
<th>Maryland Room</th>
<th>Regency Room</th>
<th>Embassy Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal Plain</td>
<td>Fractured Rock</td>
<td>Drinking Water</td>
<td>Onsite Disposal Systems</td>
</tr>
</tbody>
</table>

**Afternoon Session One (2:05 – 2:35)**

- **Empirical Methods for Estimating Water Use in the Ft. Meade-Aberdeen Proving Ground Area, Maryland**  
  Marilee Horn and Mark R. Nardi  
  US Geological Survey

- **Repeatability and Reliability of Fracture Trace Analysis**  
  Ethan O. Weikel  
  SAIC

- **An Overview of Well Performance Studies and Practical Implementation**  
  Jim Bailey  
  Kleinfelder, Inc

- **Ground Water/Surface Water Interaction and Evidence of Septic Waste Contamination, Charles Co, Maryland**  
  Michelle M. Lorah, US Geological Survey

**Afternoon Session Two (2:40 – 3:10)**

- **Baseline Ground Water and Surface Water Quality Data Collection and Analysis For Little Blackwater Watershed**  
  Brandon J. Fleming  
  US Geological Survey

- **Naturally-Occurring Radionuclides and the Radionuclide Rule – What You Measure May Not Be What You Want – A Case Study for Poolesville, Maryland**  
  Kathleen Mihm  
  S.S. Papadopulos & Associates, Inc

- **Assessing and Assigning Surface Water Treatment Rule Numbers for Fractured Rock Ground Water Sources**  
  Allison Tritt, RS  
  Water Supply Program  
  MD Dept of the Environment

- **Geographic Information System Applications - Case Study**  
  Leigh Broderick, RS  
  Bureau of Environmental Health  
  Carroll County Health Dept

**Break 3:10 – 3:25**

- **Water Quality**

**Afternoon Session Three (3:25 – 3:55)**

- **Water Quality Data Exchange**  
  Ming Jiang  
  Science Services Administration  
  MD Dept of the Environment

- **Tier II Anti-Degradation Case Studies**  
  Matthew Rowe  
  Science Services Administration  
  MD Dept of the Environment

- **Geothermal Wells**  
  Barry Glofelfy, RS  
  Wastewater Permits Program  
  MD Dept of Environment

- **Onsite Sewage Disposal of High Strength Wastewater**  
  Don Hammerlund, RS  
  Wastewater Permits Program  
  MD Dept of the Environment

**Afternoon Session Four (4:00 – 4:30)**

- **SWISS: Innovative Discrete Interval Sampling for Detection and Assessment of Contaminants**  
  Brian P. Shedd  
  Kleinfelder, Inc

- **Ground Water Withdrawals and Surface Water Impacts in the Appalachian Basin**  
  William J. Seaton  
  ARM Group, Inc

- **Emerging Contaminants**  
  Simin Rezai  
  Wastewater Permits Program  
  MD Dept of the Environment

- **Bay Restoration Fund Onsite Sewage Disposal System**  
  Joshua Flatley  
  Wastewater Permits Program  
  MD Dept of the Environment