



## PRELIMINARY AGENDA

(September 8 Draft – exact agenda order and times subject to change – for updates see [www.gwpc.org](http://www.gwpc.org))

### 2004 Ground Water Protection Council Annual Forum *Recognizing Ground Water as a Critical Component of Our Ecosystem*

September 18 - 22, 2004 - Charleston, South Carolina  
Hotel information and online registration at [www.gwpc.org](http://www.gwpc.org)

*The purpose of the Ground Water Protection Council's 2004 Annual Forum, **Recognizing Ground Water as a Critical Component of Our Ecosystem**, is to provide an opportunity for representatives from a wide range of government entities, as well as industry and public representatives, to explore and better understand the magnitude and complexity of ground water protection and conservation issues, initiatives and solutions.*

*By highlighting the latest ground water protection, underground injection and conservation technology and initiatives, the **GWPC 2004 Annual Forum** will seek to foster program integration through improved communication among all stakeholders regarding their role to protect and conserve our nation's ground water.*

---

#### Saturday 9/18/04

1:00-6:00 **Field Trip – Low Country Ecosystem Tour** (An additional \$25/person will apply) Contact Dan Yates for details at [dan@gwpc.org](mailto:dan@gwpc.org). Join the naturalist and marine biologist guides for a fascinating interpretive boat cruise to Capers Island State Heritage Preserve. Enjoy the comforts of a covered platform cruiser as we reveal the secret lives of native flora and fauna and relate their importance to the intricate salt marsh ecosystem. *-Meet in hotel lobby-*

---

#### Sunday 9/19/04

8:00–9:00 **Continental Breakfast**  
8:00-5:00 **Registration** *-Room: Mezzanine Level-*  
9:00-12:00 **GWPRF Board of Directors Business Meeting** – Everyone welcome *-Room: Laurens-*  
9:00-12:00 **RBDMS Core Group** – Project team working session *-Room: Pinckney-*  
12:00-1:00 Lunch on your own

#### 1:00-5:00 **Concurrent Sessions:**

<b>GWPC Board of Directors Business Meeting</b> <i>-Room: Calhoun-</i> Everyone welcome	<b>Class V PDA Training Workshop</b> (Attendees who bring a laptop, PDA (pocket PC), and a GPS attachment will be shown how to load the system, make minor modifications, and conduct a sample UIC inspection) <i>-Room: Laurens</i> <ul style="list-style-type: none"><li>• Introduction and loading the software on laptops and PDA Windows</li><li>• Use of the software and documentation</li><li>• Downloading Information to PDA</li><li>• Conducting a Class V inspection</li><li>• Uploading Inspection Data to Laptop</li><li>• QA/QC and Modification of Inspection Data</li></ul>
---	---

#### **Ground Water Fact:**

*At least 50% of the population of the US depends on ground water as a drinking water source: About 92% of the public water supply systems (PWSs), serving 34% of the population of the country, rely on ground water as a drinking water source. An additional 16% of the population depends on domestic water wells. In many localities there is no feasible alternative source of drinking water. ~GWPC*

**Monday 9/20/04**

7:30-9:00 **Continental Breakfast** -Room: *Mezzanine Level*-

7:30-5:00 **Registration** -Room: *Mezzanine Level*-

**Exhibit Area: Showcasing the Southeastern/Region 4 States** -Room: *Mezzanine Level*-

**Poster: Acid-Gas Injection Operations in Western Canada – An Analogue for Future CO<sub>2</sub> Sequestration** - **Matthias Grobe**, on behalf of the Acid Gas CO<sub>2</sub> and Storage Section at the Alberta Geological Survey

**Poster: National Water Quality Monitoring Council (NWQMC) – Judith Griffith, USGS**

**8:00-10:20 Opening General Session:** -Room: *Carolina Ballroom A/B*-

- Introduce 2004 Annual Forum Format – **Tom Richmond**, GWPC President ( Montana Board of Oil & Gas Conservation)
- South Carolina Ground Water “Hot Topics” Hydrogeology – **David Baize**, Director, Water Monitoring, Assessment, and Protection Division, SC Bureau of Water
- EPA Region 4 Ground Water and UIC Program Integration Initiatives – **Stallings Howell**, Chief Ground Water / Drinking Water Branch USEPA Region 4
- EPA National UIC, GW, and Public Water Supply Initiatives – **Steve Heare**, Director of Implementation and Assistance Division, Office of Ground Water and Drinking Water
- EPA National Underground Storage Tanks Initiatives: Integration with Source Water Protection – **Cliff Rothenstein**, Office of EPA Underground Storage Tanks
- Charge to Participants – **Sarah Pillsbury**, GWPC, Vice President (New Hampshire Department of Environmental Services)

**10:40-6:30 Concurrent Sessions:**

Underground Injection Control Track:

-Room: *Colonial*-

Ground Water/Source Water Track:

-Room: *Carolina Ballroom A/B*-

<b>10:40 to 11:40</b>	<b>“Produced Water Management”</b> Moderators: <b>Tom Maunder</b> , AK O&GD & <b>Tom Tommastik</b> , OH DNR	<b>“Source Water Protection Implementation”</b> Moderators: <b>David Baize</b> , SC & <b>Bruce Olsen</b> , MN DH
10:40-11:00	Feasibility Issues Pertaining to Re-injection of Coal Bed Natural Gas Produced Water in the Powder River Basin - <b>Dan Arthur</b> , ALL Consulting	South Carolina Source Water/Wellhead Protection: Integration into Agency Permit Programs - <b>Rob Devlin</b> , SC Department of Health and Environmental Control
11:00-11:20	Coal –Bed Methane Produced Water for Beneficial Uses; a National Group to Develop Standards for Desalination Concentrate Management - <b>Allan Sattler</b> , Sandia National Laboratories	Source Water Protection In the Blue River Basin - <b>Rachael Herpel</b> , Community Programs Director ,The Groundwater Foundation
11:20-11:40	New Approaches to Produced Water Sampling, Analysis and Remediation at Oak Ridge National Laboratory – <b>Joanna McFarlane</b> , Oak Ridge National Laboratory	Public Distribution of North Carolina SWAP Results and Reports - <b>Robert Midgette</b> , NC Division of Environmental Health, Public Water Supply Section
<b>12:00-1:30 Working Lunch Session - Box lunches provided</b> Class II & III Division Session -Room: <i>Colonial</i> -		Ground Water Protection Division Session -Room: <i>Gold Ballroom</i> -
<b>Class II &amp; III Division Working Lunch Session</b> Chairs: Class II- <b>Dan Arthur</b> & <b>Tom Maunder</b> – Class III <b>Tom Tomastik</b> & <b>Ken Davis</b> - GWPC Class II & III Initiatives Update - Election of Class II State & Industry Reps to the GWPRF 2005-06 - Ideas for Class II & III Research Projects for the GWPRF - Class II & III Resolution Development		<b>Ground Water Protection Division Working Lunch Session</b> Chairs: <b>Bruce Olson</b> , MN DH & <b>Rick Cobb</b> , IL EPA - GWPC GW Division Initiatives Update - Ideas for Ground Water Protection Division Research Projects for the GWPRF - Resolution Development

**Ground Water Fact:**

*Ground water commonly is an important source of surface water. The contribution of ground water to total streamflow varies widely among streams, but hydrologists estimate the average contribution is somewhere between 40 and 50 percent in small and medium-sized streams. Extrapolation of these numbers to large rivers is not straightforward; however, the ground-water contribution to all streamflow in the United States may be as large as 40 percent. Ground water also is a major source of water to lakes and wetlands. ~USGS*



**Tuesday 9/21/04**

7:30-9:00 **Continental Breakfast** -Room: *Mezzanine Level*  
 7:30-5:00 **Registration** -Room: *Mezzanine Level*

8:00-9:00 **General Session:** Moderator **Scott Kell**, Ohio DNR -Room: *Carolina Ballroom A/B*

America's Dependence on Ground Water: Usage Trends and Forecasts - **Kevin McCray**, National Ground Water Association  
 Ground Water – Surface Water Interaction – **Pixie Hamilton**, United State Geologic Survey  
 History and Overview of Deep Injection of Radioactive Liquids in Russia - **Andrey Rubalchenko**, Russian Agency of Atomic Energy

**9:20-5:00 Concurrent Sessions:**

Underground Injection Control Track:  
 -Room: *Colonial*

Ground Water/Source Water Panel Discussion:  
 -Room: *Carolina Ballroom A/B*

<b>9:20 to 11:20</b>	<b>" UIC Implementation Challenges"</b> Moderators, <b>James Clark</b> , DuPont & <b>Marty Link</b> , NE DEQ	<b>" Source Water Potential Contamination Sources: Coordination with Other Established Programs"</b> Moderators: <b>Dave Terry</b> , MA DEP & <b>Bruce Olson</b> , MN DH
9:20-9:40	Storm Water Infiltration and Ground Water Quality: Regulatory Requirements - <b>Jeffrey Jollie</b> – USEPA, OGWDW	<p align="center">~ 9:20 to 11:20 ~</p> <ul style="list-style-type: none"> <li>-Wellhead Protection Program – <b>Kevin McCormack</b>, US EPA</li> <li>-National Rural Water Association Initiatives - <b>Brendan Murphy</b>, NRW</li> <li>-Agriculture / Conservation Reserve Program – <b>Bruce Olsen</b>, MN EHD</li> <li>-Underground Storage Tanks Program – <b>Sonja Massey</b>, Alabama, DEM, <b>Kira Jacobs</b>, USEPA Region 1, and <b>Kara Sergeant</b> , NEIWPC</li> <li>-Stormwater Program- <b>Jeff Jollie</b>, USEPA</li> <li>-Class V UIC/Septic Tanks Program- <b>Sonja Massey</b>, Alabama DEM</li> </ul>
9:40-10:00	Class V UIC Well Inventory, Resource Nees Assessment, and Endangering Well Type Study – Preliminary Results - <b>Sarah Pillsbury</b> , NH DES	
10:00-10:20	Recent Studies of Deep Injection at Tomsk Site - <b>S. P. Pozdniakov</b> , Faculty of Geology Moscow State University, Moscow, Russia	
10:20-10:40	Visualization of the Subsurface for Ground Water Resource Protection and Underground Injection Control, Cold Lake Oil-Sands Area, Alberta, Canada – <b>Kevin Parks</b> , Alberta Geological Survey	
10:40-11:00	Oilfield Complaints in Ohio: Procedures and Guidelines for Conducting Alleged Water Well Contamination Investigations – <b>Tom Tomastik</b> , Ohio DNR	
11:00-11:20	Orphan Wells: A Growing Dilemma – <b>Gary Looney</b> , Arkansas Oil & Gas Commission	
<b>11:40-1:30 Working Lunch Session</b> - Box lunches provided		
<i>-Room: Rutledge-</i>	<i>-Room: Gold Ballroom-</i>	<i>-Room: Colonial-</i>
<b>Oil &amp; Gas State Agency Issues Roundtable Discussion</b> Moderators- <b>Mike Paque</b> , GWPC and <b>Bill Bryson</b> , KS GS - State agency issues development - other topics to be announced	<b>Class V Division Working Lunch Session</b> Moderators – <b>Mike Cochran</b> , KS DHE & <b>Marty Link</b> , NE DEQ - GWPC Class V Initiatives Update - Election of State and Industry Representative to GWPRF 2005-06 - Ideas for Class V Research Projects for the GWPRF - Resolution Development	<b>Class I Division Working Lunch Session</b> Moderators – <b>Ben Knape</b> , TCEQ & <b>James Clark</b> , Dupont - GWPC Class I Initiatives Update - Ideas for Class I Research Projects for the GWPRF - Resolution Development

**UIC Fact:**

*Over 9 billion gallons per year, about 60% of all liquid hazardous waste that are land disposed, are injected into deep injection wells. The balance of the waste is either treated and released to the biosphere or incinerated. ~EPA*

**Tuesday 9/21/04 ~continued~**

Underground Injection Control Track:

*-Room: Colonial-*

Ground Water/Source Water Track:

*-Room: Carolina Ballroom A/B-*

1:40 to 3:40	<b>"Assessing the Effectiveness of UIC Program to Protect Public Water Supply and Public Health through Information Management"</b> Moderators: Mike Cochran, KS DH&E & Tom Maunder, AK O&GD	<b>"Ground Water / Source Water Protection Management Strategies and Tools"</b> Moderators: Kirk Cook, WA DOA & Bruce Olson, MN DH
1:40- 2:00	Compliance Trends of UIC Wells Based on Evaluation of 20 Year of 7520 Reports (TBA)	Integrating Source Water Prevention and Homeland Security Protection Measures - <b>Kevin McCormack</b> , USEPA
2:00- 2:20	UIC - Mature Regulatory Program: Things Learned and Things to Improve – <b>Bob VanVoorhees</b> , Bryan Cave	Cooling Tower Blowdown Management: Potential Disposal Issues and Alternative Solutions – <b>Okey Tucker</b> , Kemron
2:20- 2:40	Building UIC National Database to Facilitate Program Integration – <b>Carl Reeverts</b> , USEPA	Using the Power of GIS to Locate Potential Contamination Sources in Community Well Fields - <b>Noah Standridge</b> , Florida Department of Environmental Protection
2:40- 3:00	Current States Efforts to "Paint National Picture": State Initiatives Regarding UIC Information Management - <b>Stan Belieu</b> , Nebraska Oil & Gas	Updating Source Water Assessments Using Tax Maps - <b>Steve Gould</b> , EPA Region 2
3:00- 3:20	Using Personal Digital Assistants to Enhance Class V Well Inventory and Inspection Efforts – <b>Chi Ho Sham</b> , The Cadmus Group	Capture Zone Delineation for Pumping Wells Revisited: choosing between simple methods and modeling - <b>Steve Kraemer</b> , EPA Region 4
3:20- 3:40	Current Draft UIC Measures of Success Elements – <b>Roy Simon</b> , USEPA	Incorporating Ground Water into Florida's Watershed Approach – <b>Richard Hicks</b> , FL DEP Ground Water Protection Section
3:40-4:00 BREAK		
4:00- to 5:00	<b>2004 Annual Forum Wrap-up Session</b> <i>-Room: Carolina Ballroom A/B-</i> - GWPC and GWPRF Board Member Interaction with Participants	

**Wednesday 9/22/04**7:30–9:00 Continental Breakfast *-Room: Mezzanine Level-*8:00-9:30 **GWPRF Board of Directors Meeting** – Everyone welcome *-Room: Laurens-*10:00-12:00 **GWPC Board of Directors Meeting** – Everyone welcome *-Room: Calhoun-***Mark Your Calendar for these upcoming GWPC Events****2004 Annual Forum**

Charleston, SC, September 19-22, Francis Marion Hotel

**Access to Public Lands Workgroup Meeting**

Denver, CO, November 8-10, Hotel TBA

**2005 UIC Conference**

New Orleans, LA, January 18-20, Hotel Monteleone

**2005 Annual Policy Meeting**

Washington, DC, March 13-15 or 20-22, Hotel TBA

**2005 Annual Forum**

Portland OR, Date TBA (Late Sept. to Early Oct), Hotel TBA

**Ground Water Fact:**

*Approximately 90% of public water supplies that provide drinking water to restaurants, day care centers, campgrounds, office building, factories, hospitals, schools, churches... (transient and non transient non community water systems) are ground water systems. ~ GWPC*