



# UIC CONFERENCE

February 21-23, 2017 | Austin, Texas

## Detailed Agenda

### EVENT SPONSORS



# Tuesday 2/21/2017 – Workshop Day

|             |  |  |
|-------------|--|--|
| 9:30 – 5:00 | <b>Registration – Mezzanine</b>  |  |
| 10:00 – 12  | <b>Class I UIC Operator Training – <i>Riverside South Room</i></b><br><br><b>Jim Bundy</b> , WSP   Parsons Brinckerhoff<br><br>The Class I Operator Training Course is a culmination of topics which have been presented to GWPC for the last 20+ years. See app for further details.  | <b>UIC National Technical Workgroup – <i>IPO Room</i></b>  |
| 1:00 – 3:00 | <b>Seismic Monitoring &amp; Mitigation Workshop – <i>Riverside South Room</i></b><br><br>Dan Arthur & Tom Tomastik, ALL Consulting<br><br>This course will focus on understanding the aspects of injection-induced seismicity as it relates to Class II disposal wells and how to develop an effective monitoring and mitigation plan that provides for a proactive approach to the management of injection-induced seismicity. See app for further details. | <b>State/EPA Only Meeting – <i>Riverside North, East, West Rooms</i></b><br><br>Will Begin at 2 p.m.<br>Closed Meeting |
| 3:00 – 5:00 | <b>FracFocus Training – <i>Riverside South Room</i></b><br><br><b>William Blackwell</b> , GWPC Staff   |  |
| 6:00 – 7:00 | <b>Young Professionals / New Attendee Mixer</b><br><br><b>Speakeasy</b><br>Walking Distance from the Hotel<br>412 Congress Ave D, Austin, TX 78701<br><br><i>Appetizers and Cocktails</i>  |  |

# Wednesday 2/22/2017

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|-------------|---|--|--|--|
| 7:30 -8:30  | Registration & Breakfast - Mezzanine  |  |  |  |
| 8:30-10:20  | Opening General Session – <i>Riverside South Room</i>   |  |  |  |
|             | <ul style="list-style-type: none"> <li>• Marty Link, Nebraska DEQ, GWPC President – “Introduction &amp; Welcome”</li> <li>• Lori Wrotenbery, TX RRC – “Texas UIC”</li> <li>• Charles Maguire, TCEQ, Texas UIC – “UIC Priorities”</li> <li>• Bill Honker, US EPA - “EPA Region 6 Update”</li> <li>• Anita Thompkins, US EPA - “UIC Priorities”</li> </ul>  |  |  |  |
| 10:30-12:00 | <b>UIC &amp; Gas Storage –<br/><i>Riverside South Room</i></b>  | <b>Produced Water Forum<br/><i>Riverside North/East Room</i></b>   | <b>Class I UIC Session –<br/><i>IPO Room</i></b>   | <b>Shallow Injection Roundtable – <i>Riverside West</i></b>  |
|             | <p>Adam Wygant, Michigan DEQ</p> <p><i>“Wellbore Integrity of Gas Storage Wells – Current Perspectives”</i></p> <p>Talib Syed, Talib Syed &amp; Associates, Inc.</p> <p><i>“Gas Storage Regulation After Aliso Canyon”</i></p> <p>Adam Peltz, EDF</p> <p><i>“UIC Program &amp; Gas Storage”</i></p> <p>Bob Van Voorhees, Bryan Cave</p> <p>StatesFirst - Gas Storage Workgroup Update, Rick Simmers, Ohio DNR</p> | <p>Moderator: Linda Capuano, Baker Institute</p> <p><i>“DOE Perspective on Water and Energy”</i></p> <p>Nancy Johnson, US DOE, Dept. of Fossil Energy</p> <p><i>“Lines of Evidence for Evaluating Potential Impacts from Produced Water on Groundwater”</i></p> <p>John Connor, GSI Environmental Inc.</p> <p><i>“WRF Update”</i></p> <p>Rob Renner, Water Research Foundation</p> | <p><i>“Update: EPA Region VI &amp; Land Ban Processes”</i></p> <p>Phil Dellinger &amp; Brian Graves, US EPA Region 6</p> <p><i>“Magnum Scale UIC Class I Injection Well Implementation Program, Miami-Dade County, Florida”</i></p> <p>Ed Rectenwald, MWH Stantec, Dr. Virginia Walsh, Miami-Dade Water and Sewer Department</p> <p><i>“An Introduction to Pressure Transient Testing of Injection Wells &amp; Use for UIC Permit and Landban Petition Compliance”</i></p> <p>Ken Cooper, Petrotek</p> | <p>Joint Class III &amp; V Roundtable Discussion</p> <p><i>“Open Discussion of EPA’s Re-Proposal of Revisions to 40 CFR Part 192”</i></p> <p><i>“Class V Wells of Interest/Priorities”</i></p> |

|             |  |  |   |
|-------------|--|--|---|
|             | <p><i>"Produced Water in State-Level Legislative &amp; Regulatory Measures"</i><br/> <b>Anna Mikulska</b>, Rice University's Baker Institute for Public Policy</p> <p><i>"Introduction of Michael Dunkel"</i><br/> <b>Mike Teague</b>, OK Secretary of Energy and Environment</p> <p><i>"Produced Water Re-use and Recycling in Oklahoma"</i><br/> <b>Michael Dunkel</b>, CH2M</p>   |  |   |
| 12:00-1:30  | Lunch on your own  |  |   |
| 1:30 – 3:00 | <p><b>Class II &amp; VI UIC Forum–<br/> <i>Riverside South Room</i></b></p> <p>Moderator: <b>Bob Worstall</b>, Ohio DNR</p> <p><i>"Federal Financial Responsibility Demonstrations for Owners or Operators of Class II Oil-and Gas-Related Injection Wells"</i><br/> <b>Lisa McWhirter</b>, US EPA</p> <p><i>"Oilfield Water Injection: A Summary of Issues"</i><br/> <b>Dan Arthur</b>, ALL Consulting</p> <p><i>"Challenges to the UIC Aquifer Exemption Provision: Facts &amp; Figures on Class II Injection Wells"</i><br/> <b>John Connor</b>, GSI Environmental, LLC</p> | <p><b>Produced Water Forum<br/> <i>Riverside North/East Room</i></b></p> <p>Moderator: <b>Linda Capuano</b>, Baker Institute</p> <p><i>"GWPC Produced Water Report Update"</i><br/> <b>John Veil</b>, Veil Environmental, LLC</p> <p><i>"Beneficial Use of Produced Water – Sounds Simple Enough"</i><br/> <b>Rick McCurdy</b>, Chesapeake Energy</p> <p><i>"Produced Water – Transportation and Logistics Challenges"</i><br/> <b>Kenneth Nichols</b><br/> Water Management Coordinator, Devon Energy Corporation</p> | <p><b>Class I UIC Session –<br/> <i>IPO Room</i></b></p> <p><i>"Water Quality Treatment Considerations for Non-Hazardous Disposal Wells Injecting Produced Fluids from Three Different Coal Mines"</i><br/> <b>Chad Milligan</b>, SCS Engineers</p> <p><i>"Seismicity in Texas in Relation to Active Class I Underground Injection Control Wells: Preliminary Observations"</i><br/> <b>David Murry</b>, TCEQ</p> |

| Class II & VI Roundtable   | <i>"Brackish Groundwater National Desalination Research Facility"</i>   | Class I Roundtable   |
|--|---|--|
| <p>Discussion of aquifer exemption (NRDC petition &amp; EPA response, California's progress, listing &amp; mapping)</p> <p>Updates on UIC primacy (Michigan &amp; Kentucky)</p> <p>Updates on the Class VI program</p> <p>Commercial vs. non-commercial Class II wells</p>   | <p><b>Randall (Randy) Shaw</b>, US Dept. of Interior, Bureau of Reclamation, Brackish Groundwater National Desalination Research Facility</p>   | <p><i>Roundtable Discussion</i></p>  |
| <p><b>3:00 – 3:30 Break</b></p>  |   |  |
| <p><b>3:30 – 5:00</b></p> <p><b>Aquifer Exemption –<br/>Riverside South Room</b></p>   | <p><b>Produced Water Forum: Wrap Up<br/>Riverside North/East Room</b></p>   | <p><b>RBDMS: Update on State UIC Data Management - IPO Room</b></p>  |
| <p><b>Moderator: Marty Link</b>, Nebraska DEQ</p> <p><i>"Legal &amp; Regulatory Framework for Identifying USDWs &amp; Exempted Aquifers"</i><br/><b>Bob Van Voorhees</b>, Bryan Cave</p> <p><i>"Review of the Aquifer Exemption Process, History &amp; Implementation Related to Groundwater Protection &amp; Use"</i><br/><b>Hal Demuth</b>, Petrotek Engineering Corporation</p> <p><i>"Aquifer Exemptions &amp; Drinking Water Protection: More Attention Needed in Era of Elevated Threats"</i><br/><b>John Noel</b>, Clean Water Action</p> | <p><b>Moderator: Linda Capuano</b>, Baker Institute</p> <p><i>"Potential Legislative and Regulatory Issues"</i><br/><b>Jill Cooper</b>, Anadarko</p> <p><i>State Feedback &amp; Wrap Up</i></p> | <p><b>Moderator: Paul Jehn</b>, GWPC</p> <p><i>"California Web Enabling"</i><br/><b>Thom Kerr</b></p> <p><i>"Field Inspection Update"</i><br/><b>Thom Kerr</b></p> <p><i>"WellFinder Update"</i><br/><b>TJ Groves</b>, GWPC Staff</p> <p><i>"State Program Updates (MI/UT) GWPC Staff"</i></p> |



5:30 – 6:30 Hotel Evening Reception

## Thursday 2/23/17

7:30 – 8:30 Registration & Continental Breakfast – Mezzanine

8:30-10:00 Seismic Session: Regulation and Practice-  
*Riverside South Room*

Moderator: Rick Simmers – Ohio DNR

*“Class II SWD Disposal Well Issues: Induced Seismicity Myth versus Reality”*

Laura Capper, CAP Resources

*“Managing Injection-Induced Seismicity Through Monitoring & Mitigation”*

Tom Tomastik, ALL Consulting

*“The Oil & Gas Division’s Approach to Reducing the Risk of Induced Seismicity from Oil & Gas Activity”*

Tim Baker, Oklahoma Corporation Commission

*“TexNet and CISR: An Update on Monitoring and Understanding Seismicity in Texas”*

Michael Young, University of Texas at Austin

Alternative Water Resources: Brackish Groundwater, Aquifer Storage & Recovery, and Concentrate Management-  
*Riverside North, East, West Room*

Moderator: Saba Tahmasebi, Oklahoma DEQ

*“Texas-Brackish Aquifer Mapping”*

John E. Meyer, P.G., Texas Water Development Board

*“ASR & Desalination Potential of the Saline Edwards Aquifer”*

Brian Smith, Barton Springs/Edwards Aquifer Conservation District

*“Aquifer Exemptions & Desalination Concentrate Management: The El Paso Texas Story”*

Brad Cross, LBG-Guyton

*“ASR/MAR Information Exchange” – Work Group Organizational Meeting to Take Place During Break*

10:00-10:30 Break

10:30-12:00

**Seismic Session: Technology and Science-  
Riverside South Room**

Moderator: Rick Simmers – Ohio DNR

*“Managing Injection Induced Seismicity: Identification of Potentially Active Faults”*

Rall Walsh, Stanford University

*“Geomechanical Factors for Assessing the Effects of Subsurface Injection in the Midwestern U.S.”*

J.R. Sminchak, Battelle

*“Induced Seismicity: Observations, Research, and Oversight in British Columbia”*

Stuart Venables, British Columbia Oil & Gas Commission

**Aquifer Storage & Recovery: Storage for the Future –  
Riverside North, East, West Room**

Moderator: Steve Musick, GWPC

*“Aquifer Storage and Recovery in Texas”*

Matt Webb, Texas Water Development Board

*“New UIC Aquifer Storage and Recovery Regulations in Texas and Prospective Projects”*

Lorrie Council, TCEQ

*“San Antonio Water System: ASR Drought Management Operations”*

Roberto Macias, San Antonio Water System

*“Planning for ASR in Oklahoma”*

Saba Tahmassebi, Oklahoma DEQ

12:00

**Conference Adjourns**