

4th WATER MANAGEMENT FOR SHALE PLAYS HOUSTON

February 25-27, 2013 | Houston Marriott West Loop by the Galleria | Houston, TX

THE BRIEFING SHALE PLAY-BY-PLAY ASSESSMENT

*An Examination of Infrastructure, Regulatory Landscape,
Water Resources & Treatment in Selected Shale Plays*
February 25, 2013 | Houston, TX

In this pre-summit briefing, attendees will receive a play-by-play walk-through outlining key water management issues specific to each region. Participants receive an assessment of how each region's geography influences water management plans, how treatment, re-use and disposal challenges and solutions vary from play to play, and receive an assessment of pertinent regulations, their framework, enforcement and impact.

Monday, February 25, 2013

7:00-8:00 *Registration & Breakfast*

8:00-8:15 *Welcome & Introduction by Chair*

8:15-8:45 *Keynote Presentation:*

Current and Pending State Regulations Relative to Water Management: How Does this Impact Your Operation?

This high level keynote presentation will provide updates to current and pending state play-by-play regulations, provide an overview of the current drivers and an understanding of how they impact strategy and decision making for water management programs.

Keynote:

Bryan W. Shaw, Ph.D., *Chairman,* TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

8:45-9:45 *Presentations:*

Texas Shale Plays: Permian Basin, Eagle Ford & Barnett Shale

- What are the most critical issues when it comes to sourcing and treating water in this region?
- What impact is the West Texas drought having on water sourcing and treatment options, both short-term and long-term?
- Local districts targeting water use by companies that are facing: How widespread is this and what is the impact on drilling?
- What kind of infrastructure is in place regarding water use and what's being planned/built?
- What disposal regulations are in play that affect how and where water can be disposed of?

Presenters:

Tom Hayes, *Institute Engineer,* GAS TECHNOLOGY INSTITUTE

John Veil, *Principal,* VEIL ENVIRONMENTAL, LLC

9:45-10:15 *Networking Break*

- 10:15-11:45 *Presentations:*
Mississippian Formation
- What are the most critical issues when it comes to sourcing and treating water in this region?
 - What kind of infrastructure is in place regarding water use and what's being planned/built?
 - What are the sources for getting water into this region? What's available?
 - How are new water drilling initiatives in the region assisting oil drillers in getting water for fracing?
 - An update on water permitting and regulations in this region
- Presenters:
Gregg Frame, *Technical Manager*, DRILLING FLUIDS TECHNOLOGY
Frank Zamora, *Vice President of Engineering and Technology*, TRICAN WELL SERVICE LTD.
- 11:45-12:15 *Presentation:*
California Shale
- What are the water supply and management issues for oil and gas operations in California? What are the most critical issues when it comes to sourcing and treating water?
 - What kind of infrastructure is in place regarding water use and what's being planned/built?
- Presenter:
John J. Harris, *Partner*, SNR DENTON
- 12:15-1:45 *Group Luncheon*
- 1:45-2:45 *Presentations:*
Bakken and Niobrara Shale
- What are the most critical issues when it comes to sourcing and treating water in this region?
 - What kind of infrastructure is in place regarding water use and what's being planned/built?
 - How does the lack of infrastructure in this newly booming region create challenges, and what are the strategies for overcoming those challenges?
 - What current regulations affect how wastewater is being treated/released/recycled? What disposal regulations are in play that affect how and where water can be disposed of
- Presenters:
Ken Royse, *Vice President*, BARTLETT & WEST
Jaret Wirtz, *Executive Director*, WESTERN AREA WATER SUPPLY PROJECT
- 2:45-3:15 *Networking Break*
- 3:15-4:15 *Presentations:*
Marcellus & Utica Shale
- What are the most critical issues when it comes to sourcing and treating water in this region?
 - What aspects of the geography influence water sourcing and disposal most?
 - What kind of infrastructure is in place regarding water use and what's being planned/built?
 - What is the future availability of injection disposal sites in Pennsylvania, Ohio and West Virginia?
 - Disposal well permits: What's actually being issued?
 - What disposal regulations are in play that affect how and where water can be disposed of?
 - What current waste regulations affect how wastewater is being treated/released/recycled? What proposed regulatory changes are in the works that could affect water treatment and disposal plans going forward?
- Presenters:
Chance Richie, *Founder*, SHALEWATER SOLUTIONS
David Yoxheimer, *Hydrogeologist*, MARCELLUS INITIATIVE FOR OUTREACH AND RESEARCH
- 4:15 *Briefing Adjourns*