

# WATER MANAGEMENT FOR SHALE PLAYS 2013

**DENVER**

June 10-12, 2013 | Grand Hyatt Denver | Denver, CO

The Briefing

## WATER MANAGEMENT REGULATORY UPDATE: ROCKIES/WEST, TEXAS GULF COAST, MIDCONTINENT AND NORTHEAST

June 10, 2013

This briefing will provide an update on the latest regulations relative to water management and how these regulations will impact your operation. Participants will 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.

### Monday, June 10, 2013

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

8:00-8:15      *Welcome & Introduction by Chair*  
**Ken Burris, Vice President - Water/Geosciences, WORLEY PARSONS**

8:15-9:00      *Spotlight Presentation:*  
**State Regulations Relative to Water Management: How Does this Impact Your Operation?**  
This high level 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.  
  
Colorado State Regulator Perspective  
Presenter:  
**Dick Wolfe, State Engineer, COLORADO DIVISION OF WATER RESOURCES**

9:00-9:30      *Featured Presentation:*  
**Niobrara Shale**

- 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
- 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?

Presenter:  
**Eli Gruber, President & CEO, ECOLOGIX ENVIRONMENTAL SYSTEMS**

9:30-10:00      *Networking Break*

10:00-10:30      *Featured Presentation:*  
**Bakken Shale**

- 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
- 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?

Presenter:

**Ken Royse**, *Vice President*, BARTLETT & WEST

10:30-11:30

*Presentations:*

**West: Californian/Monterey Shale**

- What are the most critical issues when it comes to sourcing and treating water in this region?
- 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?

10:30-11:00

**Ken Burris**, *Vice President - Water/Geosciences*, WORLEY PARSONS

11:00-11:30

**Bob Poole**, *Public and Government Affairs Manager*, SANTA MARIA ENERGY

11:30-1:00

*Group Luncheon*

1:00-2:00

*Presentations:*

**Texas Gulf Coast: 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?

1:00-1:30

**Ken Nichols**, *Civil Engineer*, CH2M HILL

1:30-2:00

**Larry French**, *Director Groundwater Resources Division*, TEXAS WATER DEVELOPMENT BOARD

2:00-2:30

*Networking Break*

2:30-3:00

*Presentations:*

**Midcontinent: Mississippi Lime and Anadarko/Granite Wash**

- 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

2:30-3:00

**Jeanie Oudin**, *Analyst*, WOOD MACKENZIE

3:00-4:00

*Presentations:*

**Northeast: Marcellus & Utica**

- 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?

3:00-3:30

**Michael Krancer**, *Partner*, BLANK ROME LAW FIRM

3:30-4:00

**Steve Hughes**, *Water Management Group Manager – Appalachian Basin Oil and Gas Services*, TETRA TECH

4:00

*Briefing Adjourns*