



**EPA Geologic Sequestration Technical Workshop:  
Geological Considerations and Area of Review Studies**  
July 10 and 11, 2007; Grand Hyatt, Washington, DC

**WORKSHOP AGENDA**

**Day 1 - July 10**

- 8:30 Introduction and Logistics: **Bruce Kobelski**, EPA Office of Ground Water & Drinking Water  
8:35 Welcome/Opening Remarks: **Cynthia Dougherty**, Director, EPA Office of Ground Water & Drinking Water  
8:40 Welcome/Opening Remarks: **Brian McLean**, Director, EPA Office of Atmospheric Programs

**Session 1: Geological Considerations—Natural Features**

*What information about natural subsurface geology—storage reservoir and caprock petrophysics, geochemistry, hydrogeology, and structure—is needed to determine whether a site is appropriate for geologic sequestration?*

8:45 to 10:15 Speakers

- Characterizing and Selecting Appropriate Sites for Geologic Storage of CO<sub>2</sub>, Key Issues and Information Needs: **Jens Birkholzer**, Lawrence Berkeley National Laboratory
- Teapot Dome Field Experimental Facility: Characterization of a Century-Old Oil Field for CO<sub>2</sub> Injection, Part I: Geologic Features: **Mark Milliken**, DOE Rocky Mountain Oilfield Testing Center
- An Assessment of Geological Carbon Sequestration Options in the Illinois Basin—Subsurface Geological Considerations in Carbon Sequestration: **Robert Finley**, Illinois State Geological Survey

- 10:15 to 10:30 Break  
10:30 to 11:30 Breakout Discussion  
11:30 to 12:00 Report Back

**12:00 to 1:30 Lunch (on your own)**

**Session 2: Anthropogenic Features in the Area of Review**

*The role of artificial conduits on siting decisions, including what types of and how much information about active and abandoned wells in the Area of Review is needed to determine whether a site is appropriate for geologic sequestration.*

1:30 to 3:00 Speakers

- Potential for Near-Term CCS Deployment in the USA: **Jim Dooley**, Pacific Northwest National Laboratory
- Teapot Dome Field Experimental Facility: Characterization of a Century-Old Oil Field for CO<sub>2</sub> Injection, Part II: Anthropogenic Features: **Vicki Stamp**, DOE Rocky Mountain Oilfield Testing Center
- Methodology for Determining the Use of a Fixed Radius Area of Review or Zone of Endangering Influence When Conducting an Area of Review Analysis for UIC Operations: **Steve Platt**, U.S. EPA Region 3

- 3:00 to 3:15 Break  
3:15 to 4:15 Breakout Discussions  
4:15 to 4:45 Report Back

**4:45 to 5:00 Wrap Up for Day 1**

## Day 2 - July 11

8:30 to 8:45 Updates and Announcements

### Session 3: Addressing Wells in the Area of Review

*What factors (e.g., injection volume or pressure, subsurface features, or the properties of the CO<sub>2</sub>) affect the size and shape of the AoR and what corrective or mitigating actions are needed?*

8:45 to 10:15 Speakers

- The Role of Existing Wells in Projecting Performance Standards for Engineered Saline Reservoirs: Examples from the Gulf Coast: **Ian Duncan**, Texas Bureau of Economic Geology
- Relevance of Geological Carbon Storage Capacity Assessments to Area of Review Studies: **Sean Brennan**, US Geological Survey
- The Effect of CO<sub>2</sub> Sequestration on Wells in the Area of Influence: **Andrew Duguid**, Schlumberger Carbon Services

10:15 to 10:30 Break

10:30 to 11:30 Breakout Discussion

11:30 to 12:00 Report Back

**12:00 to 1:30 Lunch (on your own)**

**1:30 to 2:30 Perspectives from the Field**

*Panelists representing DOE's Regional Carbon Sequestration Partnerships and the Interstate Oil and Gas Compact Commission (IOGCC) will highlight their siting and permitting experiences related to geological and artificial features in the AoR and corrective action.*

Panelists

- **George Koperna**, Advanced Resources International Inc./SECARB Partnership
- **Nino Ripepi**, Virginia Tech/SECARB Partnership
- **Larry Bengal**, Arkansas Oil and Gas Commission/IOGCC
- **Rob Trautz**, Lawrence Berkeley National Laboratory/WESTCARB Partnership

**2:30 to 3:00 Open Question and Answer Session with Panelists**

**3:00 to 3:30 Preliminary Findings from the Workshop, Wrap Up, Next Steps**