

# **Carbon Capture and Sequestration (CCS) Technical Discussion Series: Well Mechanical Integrity**

California Air Resources Board

Sacramento, California

May 12, 2016



# Introduction

- Logistics: Facilities and emergency information.
- ARB staff and participant introductions
- Background on technical discussions
- Purpose of well mechanical integrity discussion



# Agenda

- Opening remarks - ARB staff, Sara King
- Stakeholder presentations
  - Jason Laumb, University of South Dakota.  
Topic: Risk and criteria for legacy wells and tools for well integrity.
  - Andrew Duguid, Battelle Institute.  
Topic: Well design, failure, and cement concerns.
  - William Carey , Los Alamos National Lab.  
Topic: Cement degradation.
  - Scott Hornafius, Elk Petroleum.  
Topic: Construction standards and their effectiveness.



# Agenda (continued)

- Amy Townsend-Small, University of Cincinnati, and Tom Ferrara, GDF Services.  
Topic: Abandoned well emission study.
- Briana Mordick, Natural Resources Defense Council.  
Topic: UIC/Class II well integrity, difference between EOR and Saline integrity
- Neil Wildgust, Global CCS Institute.  
Topic: EOR legacy well concerns, Weyburn project.
- Katherine Romanak, University of Texas at Austin.  
Topic: Groundwater & soil impacts above CO<sub>2</sub> injection fields.



# ARB CCS website and list serve

- <http://www.arb.ca.gov/cc/ccs/ccs.htm>
- List Serve:  
[http://www.arb.ca.gov/listserv/listserv\\_ind.php?listname=ccs](http://www.arb.ca.gov/listserv/listserv_ind.php?listname=ccs)



# Contact Information

- Elizabeth Scheehle  
Branch Chief, Oil and Gas and Greenhouse Gas Mitigation Branch  
(916) 322-7630; Elizabeth.Scheehle@arb.ca.gov
- Alexander “Lex” Mitchell  
Manager, Emerging Technology Section  
(916) 327-1513; Alexander.Mitchell@arb.ca.gov
- Sara King  
Staff, CCS geologist  
(916) 323-1009; Sara.King@arb.ca.gov



**Send questions and comments to:**  
**[Sara.King@arb.ca.gov](mailto:Sara.King@arb.ca.gov)**

