

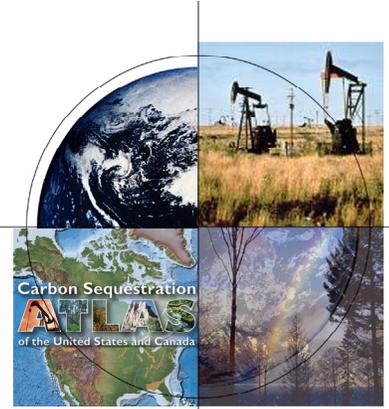
2007 Carbon Sequestration Peer Review

Marriott Pittsburgh Airport

September 17 - 20, 2007



AGENDA



MONDAY, SEPTEMBER 17, 2007

- **CLOSED SESSION** -

**OPEN TO DEPARTMENT OF ENERGY AND
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PERSONNEL ONLY**

- 4:00 - 6:00 p.m. **Carbon Sequestration Peer Review Panel Kick Off Meeting**
- Review of ASME Process - Michael Tinkleman/Kim Hart, ASME
 - Meeting Logistics/Completion of Forms - Steven Ostheim/Charles Schmidt, TMS
 - Role of NETL - José Figueroa, NETL

- Overview of the Carbon Sequestration Program**
- Sean Plasyński, Carbon Sequestration Technology Manager, NETL

6:30 - 7:30 p.m. **Registration and Welcome Reception - JUNIOR BALLROOM**

TUESDAY, SEPTEMBER 18, 2007 - SALONS A&B

- 7:00 - 8:00 a.m. Continental Breakfast
- 8:00 - 8:30 a.m. ***Project # 41148*** - Enhanced Coalbed Methane Production and Sequestration of CO₂ in Unmineable Coal Seams - *Roy Scandrol, CONSOL Energy, Inc.*
- 8:30 - 8:50 a.m. Q&A
- 8:50 - 9:10 a.m. Discussion, evaluation, and written comments
- 9:10 - 9:15 a.m. Set-up/Transition allowance between presentations
- 9:15 - 9:45 a.m. ***Project # 41620*** - Capture and Use of Coal Mine Ventilation Air Methane - *Deborah Kosmack, CONSOL Energy, Inc.*
- 9:45 - 10:05 a.m. Q&A
- 10:05 - 10:25 a.m. Discussion, evaluation, and written comments
- 10:25 - 10:40 a.m. **BREAK**
- 10:40 - 11:10 a.m. ***Project # 41149*** - Weyburn Carbon Dioxide Sequestration Project - *Carolyn Preston, Natural Resources Canada - CANMET*
- 11:10 - 11:30 a.m. Q&A
- 11:30 - 11:50 a.m. Discussion, evaluation, and written comments
- 11:50 - 1:00 p.m. **Lunch (on your own)**



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TUESDAY, SEPTEMBER 18, 2007 - SALONS A&B

- 1:00 - 1:30 p.m. **Project # ORD -07-220641** - Storage and Permanence Assessment - *Art Wells*,
National Energy Technology Laboratory
- 1:30 - 1:50 p.m. Q&A
- 1:50 - 2:10 p.m. Discussion, evaluation, and written comments
- 2:10 - 2:15 p.m. Set-up/Transition allowance between presentations
- 2:15 - 2:45 p.m. **Project # 42262** - Basic Science of Retention Issues, Risk Assessment & Measurement,
Monitoring & Verification for Geologic CO₂ Sequestration - *Lee Spangler*,
Montana State University
- 2:45 - 3:05 p.m. Q&A
- 3:05 - 3:25 p.m. Discussion, evaluation, and written comments
- 3:25 - 3:40 p.m. **BREAK**
- 3:40 - 4:30 p.m. **Project # 42588** - An Assessment of Geological Carbon Sequestration Options in the
Illinois Basin - Phase II - *Scott Frailey*, **Illinois State Geological Survey**
- 4:30 - 4:50 p.m. Q&A
- 4:50 - 5:15 p.m. Discussion, evaluation, and written comments

WEDNESDAY, SEPTEMBER 19, 2007 - SALONS A&B

- 7:00 - 8:00 a.m. Continental Breakfast
- 8:00 - 8:50 a.m. **Project # 42592** - Plains CO₂ Reduction Partnership - Phase II - *Ed Steadman*,
University of North Dakota Energy and Environmental Research Center
- 8:50 - 9:10 a.m. Q&A
- 9:10 - 9:35 a.m. Discussion, evaluation, and written comments
- 9:35 - 9:50 a.m. **BREAK**
- 9:50 - 10:40 a.m. **Project # 42593** - West Coast Regional Carbon Sequestration Partnership - *Larry Myer*,
California Energy Commission
- 10:40 - 11:00 a.m. Q&A
- 11:00 - 11:25 a.m. Discussion, evaluation, and written comments
- 11:25 - 12:15 p.m. **Lunch (on your own)**
- 12:15 - 1:05 p.m. **Project # 42587** - Big Sky Regional Carbon Sequestration Partnership - Phase II -
Lee Spangler, **Montana State University**
- 1:05 - 1:25 p.m. Q&A
- 1:25 - 1:50 p.m. Discussion, evaluation, and written comments
- 1:50 - 1:55 p.m. Set-up/Transition allowance between presentations

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WEDNESDAY, SEPTEMBER 19, 2007 - SALONS A&B

- 1:55 - 2:25 p.m. **Project # 42430** - Oxygen-Fired CO₂ Recycle for Applications to Direct CO₂ Capture from Coal-Fired Power Plants - *Thomas K. Gale, Southern Research Institute*
- 2:25 - 2:45 p.m. Q&A
- 2:45 - 3:05 p.m. Discussion, evaluation, and written comments
- 3:05 - 3:20 p.m. **BREAK**
- 3:20 - 3:50 p.m. **Project # 42748** - Pilot-Scale Demonstration of Novel, Low-Cost Oxygen Supply Process and its Integration with Oxy-Fuel Coal-Fired Boilers - *Krish R. Krishnamurthy, The BOC Group, Inc.*
- 3:50 - 4:10 p.m. Q&A
- 4:10 - 4:30 p.m. Discussion, evaluation, and written comments
- 4:30 - 4:35 p.m. Set-up/Transition allowance between presentations
- 4:35 - 5:05 p.m. **Project # 42808** - Utah Center for Ultra Clean Coal Utilization - *Miland Deo and Ron Pugmire, University of Utah*
- 5:05 - 5:25 p.m. Q&A
- 5:25 - 5:45 p.m. Discussion, evaluation, and written comments

THURSDAY, SEPTEMBER 20, 2007 - ROBINSON/MONTOUR ROOM

- 7:00 - 7:30 a.m. Continental Breakfast
- 7:30 - 8:00 a.m. **Project # 42811** - Jupiter Oxycombustion and Integrated Pollutant Removal for the Existing Coal Fired Power Generation Fleet - *Mark Schoenfeld, Jupiter Oxygen Corporation*
- 8:00 - 8:20 a.m. Q&A
- 8:20 - 8:40 a.m. Discussion, evaluation, and written comments
- 8:40 - 8:45 a.m. Set-up/Transition allowance between presentations
- 8:45 - 9:30 a.m. **Project # 42122** - Design and Evaluation of Ionic Liquids as Novel Absorbents **and** **Project # 43091** - Ionic Liquids: Breakthrough Absorption Technology for Post-Combustion CO₂ Capture - *Edward J. Maginn, University of Notre Dame*
- 9:30 - 9:50 a.m. Q&A
- 9:50 - 10:15 a.m. Discussion, evaluation, and written comments
- 10:15 - 10:30 a.m. **BREAK**
- 10:30 - 11:00 a.m. **Project # T401.01.01** - Membrane Selection and Placement for Optimal CO₂ Capture from IGCC Power Plants - *Jared Ciferno, National Energy Technology Laboratory*
- 11:00 - 11:20 a.m. Q&A
- 11:20 - 11:40 a.m. Discussion, evaluation, and written comments

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THURSDAY, SEPTEMBER 20, 2007 - ROBINSON/MONTOUR ROOM

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:40 - 12:30 p.m. | Lunch (on your own) |
| 12:30 - 1:00 p.m. | Project # <i>ORD-07-220614</i> - CO₂ Capture and Separation - <i>David R. Luebke</i>,
National Energy Technology Laboratory |
| 1:00 - 1:20 p.m. | Q&A |
| 1:20 - 1:40 p.m. | Discussion, evaluation, and written comments |
| 1:40 - 1:45 p.m. | BREAK |
| 1:45 - 3:15 p.m. | Final Comments on Carbon Sequestration Projects by Reviewers and Overall Meeting
Wrap-up |