

— FOURTH ANNUAL CONFERENCE ON CARBON CAPTURE & SEQUESTRATION —

AGENDA

Monday, May 2, 2005

12:00 REGISTRATION OPENS

3:00 EXHIBITS OPEN

6:00 OPENING COCKTAIL RECEPTION
IN EXHIBIT AREA

7:00 OPENING CONFERENCE
WELCOME DINNER
Host: EM Publication & Forums

Tuesday, May 3, 2005

7:00 CONTINENTAL BREAKFAST
Host: EM Publications & Forums

8:00 OPENING KEYNOTE PLENARY

WELCOME REMARKS

Scott Klara, Chair
Conference Steering Committee
Off. of Coal & Power R&D
National Energy Technology Laboratory
U. S. Dept. of Energy

Carl Bauer, (Acting) Director
U.S. DOE NETL

8:05 KEYNOTE ADDRESS

MODERATOR: **Carl Bauer**, (Acting)
Director U.S. DOE NETL

Mark Maddox, Prin. Dep. Asst. Secy.
U.S. DOE Fossil Energy

OPEN DISCUSSION

8:45 **Moving to Utilize Carbon
Capture/Sequestration
Technologies—A Path Forward to
Reduce CO₂ Emissions**

**BP CO₂ Capture and Geological
Storage Technology Programme:
from Science to Field Application**

Gardiner Hill, Grp. Technology
Mgr., Environmental Technology
BP

**Climate Initiative and CO₂
Sequestration - A Schlumberger
Perspective**

T.S. Ramakrishnan, Science
Advisor, CO₂ Sequestration
Research, Schlumberger-Doll
Research

OPEN DISCUSSION

9:15 **Where We Are Today, What We Have
Learned Thus Far, What Remains to
Be Done to Further Facilitate the
Deployment of Carbon Capture,
Transmission and Sequestration
Technologies**

MODERATOR: **Scott Klara**,

U.S. DOE NETL

Bill Reynen, Co-Chair
Carbon Sequestration Leadership
Forum; CANMET Energy
Technology Centre, Ottawa, Canada

OPEN DISCUSSION

9:40 **What Is Needed to Facilitate
Commercial Deployment of Carbon
Capture, Transmission and
Sequestration Technologies**

Harry Audus, General Manager
Intl Energy Agency Greenhouse Gas
R&D Programme; IEA Environ.
Projects LTD

David Hawkins, Director
Air & Energy Programs
Natural Resource Defense Council

OPEN DISCUSSION

10:25 **COFFEE BREAK**
Host: EM Publications & Forums

10:45 **Assessment of the State of Development of
Carbon Sequestration Technologies in
North of America**

MODERATOR: **Sean Plasynski**
Sequestration Tech. Manager
U.S. DOE NETL

Terrestrial Sequestration

G. Phillip Robertson, Professor
Dept. of Crop & Soil Sciences
W.K. Kellogg Biological Station
Michigan State University

OPEN DISCUSSION

Geological Sequestration

Sally M. Benson, Head
CO₂ Capture and Storage Prog.
Earth Science Division
Lawrence Berkeley National Lab.

OPEN DISCUSSION

Capture Technology

Dr. Massoud Rostam-Abadi, Head
Energy & Environ. Engineering Sect.
Illinois State Geological Survey
MW Geol. Sequestration Consortium

OPEN DISCUSSION

Mineralization

Richard P. Walters, Assoc. Dir.
U.S. DOE Albany Research Ctr.

OPEN DISCUSSION

11:50 **What Has Been Learned, What Is the
Future Direction of Selected North
American Carbon Emission Reduction**

**Projects Utilizing Carbon Capture and
Sequestration**

MODERATOR: **Melissa Miller**, Los Alamos
National Laboratory

The Weyburn Project

Mike Monea, Executive Director
Petroleum Technology Research Centre

The Frio Project

Susan Hovorka, Research Scientist
Bureau of Economic Geology
University of Texas at Austin

OPEN DISCUSSION

12:30 **LUNCH**
Host: EM Publications & Forums

POSTER GROUP I SESSION A
(Open for Browsing: Paper Authors Not
Required to Be Present)

1:30 **TECHNICAL SESSIONS**

Capture and Separation - Sorbents (1)

Geologic - Frio Brine Field Project (1)

Public Outreach and Education

Sequest. Policy & Feasibility Studies (1)

Geologic - Monitoring, Mitigation and
Verification (1)

2:30 Weyburn Project

3:30 **COFFEE BREAK**
Host: EM Publications & Forums

4:00 **TECHNICAL SESSIONS**

Capture and Separation - Oxyfuel
Combustion

Geologic - Frio Brine Field Project (2)

Geologic Sequestration (1)

Sequest. Policy & Feasibility Studies (2)

Regulatory Analysis

5:00 Advanced Concepts - Biomass Offsets

6:20 **TECHNICAL SESSIONS END**

6:20 **POSTER GROUP I SESSION B**
(Paper Authors Required to be Present)

6:30 **COCKTAIL RECEPTION**
Host: EM Publications & Forums

Wednesday, May 4, 2005

7:00 **CONTINENTAL BREAKFAST**
Host: EM Publications & Forums

8:00 **The Growing U.S. Global Partnership to
Pursue and Support Development &
Deployment of Carbon Capture,**

—FOURTH ANNUAL CONFERENCE ON CARBON CAPTURE & SEQUESTRATION—

Transmission & Sequestration Technologies as a Step Toward a Hydrogen Economy

MODERATOR: **Edward L. Helminski**
Conference Coordinator
President, EM Publications & Forums

John F. Turner, Asst. Secretary
Bureau of Oceans and International
Environmental and Scientific Affairs
U.S. State Department

Geologic - Risk Assessment Issues

Geologic Sequestration (2)

Capture - Membranes

Terrestrial - Science, Technology &
Economics

U.S. Environmental Protection Agency

OPEN DISCUSSION

8:30 **REGIONAL PARTNERSHIPS**

The Regional Partnerships—Identifying the Most Promising Regional Carbon Sequestration Deployment Opportunities through Private and Public Partnerships

LEAD SPEAKER/MODERATOR:

John T. Litynski, Project Director
Regional Carbon Sequestration
Partnerships, U.S. DOE NETL

Dr. Robert J. Finley, Center Dir.
Illinois State Geological Survey
MW Geological Sequestration Consortium

Dr. Gerald R. Hill, Technical Advisor
Southern States Energy Board
SE Reg. Carbon Sequestration Partnership

Edward Steadman, Sr. Research Advisor;
Energy & Env.; Research Ctr.
Plains CO2 Reduction Partnership

Dr. Susan M. Capalbo, Dir. Spec. Projs.;
Montana State Univ.-Bozeman
Big Sky Regional Carbon Sequestration
Partnership

Dr. Brian J. McPherson,
NM Institute of Mining & Technology
Southwest Regional Partnership on Carbon
Sequestration

Dr. Larry Myer, Technical Director
California Energy Commission
West Coast Regional Carbon Sequestration
Partnership

David A. Ball, Manager,
Battelle; MW Reg. Carbon
Sequestration Partnership

10:00 **COFFEE BREAK**

Host: EM Publications & Forums

10:15 **An Assessment of Current and Potential Regulations Governing the Employment of Carbon Capture, Transmission and Sequestration Technologies**

MODERATOR: **Scott Reeves**, Executive Vice
President, Advanced Resources Int'l.

Larry Bengal, Director
Arkansas Oil and Gas Commission;
Chair, Interstate, Oil and Gas Commission
Carbon Sequestration Task Force

Bruce Kobelski, Team Leader
Underground Injection Control
Office of Water, U.S. EPA

(An EPA Regional Representative)

OPEN DISCUSSION

11:00 **An Overview of the U.S. DOE Programs and Priorities**

Jeff Holmstead, Asst. Administrator
Office of Air and Radiation

12:30 **LUNCH**

Host: EM Publications & Forums

POSTER GROUP II SESSION A
*(Open for Browsing: Paper Authors Not
Required to Be Present)*

1:30 **TECHNICAL SESSIONS**

Capture - Feasibility Studies

Geologic Sequestration (3)

Advanced Conversion/Capture Concepts

Geologic - Coal Seams (1)

Terrestrial - Science, Technology &
Economics (2)

2:30 Geologic - Monitoring, Mitigation and
Verification (2)

3:30 **COFFEE BREAK**
Host: EM Publications & Forums

3:40 **TECHNICAL SESSIONS**

Geologic - Coal Seams (2)

Sequestration Policy and Feasibility
Studies (3)

Geologic Sequestration (4)

Geologic - Monitoring, Mitigation and
Verification (3)

Ocean Sequestration

5:00 Geologic - Frio Brine (3)

6:20 **TECHNICAL SESSIONS END**

6:20 **POSTER GROUP II SESSION B**
(Paper Authors Required to be Present)

6:30 **COCKTAIL RECEPTION**
Host: EM Publications & Forums

Thursday, May 5, 2005

7:00 **CONTINENTAL BREAKFAST**
Host: EM Publications & Forums

8:00 **OPENING PLENARY ADDRESS**

**Working to Develop a Publicly
Acceptable Regulatory Framework to
Facilitate the Deployment of Carbon
Capture, Transmission and
Sequestration Technologies**

MODERATOR: **Robert Finley**, Center Dir.
Illinois State Geological Survey

Jeff Holmstead, Asst. Administrator
Office of Air and Radiation

OPEN DISCUSSION

8:30 **Overview/Status Report on Carbon Capture, Sequestration R&D & Deployment in Canada**

Graham R. Campbell
Director General, Office of Energy
Research & Development, Natural
Resources Canada

OPEN DISCUSSION

9:00 **Legal Issues That Need to Addressed to Facilitate Deployment of Carbon Capture, Transmission and Sequestration Technologies**

Jolyon Thomson
Legal Services, Int'l. Environment
Dept. for Env., Food & Rural Affairs
United Kingdom

OPEN DISCUSSION

9:25 **Update on the Upcoming Intergovernmental Panel on Climate Change Report on Carbon Capture and Sequestration**

Heleen de Coninck,
IPCC Working Group III Technical
Support Unit, Energy Research Centre of
the Netherlands

OPEN DISCUSSION

9:35 **Proposed U.S. Guidelines for Voluntary Reporting of Greenhouse Gas Emissions and Emission Reductions & their Possible Use in Carbon Trading Markets**

MODERATOR: **Iain Wright**, CO₂ Project
Manager, BP Technology Group

Mark Friedrichs, Policy Analyst
Off. of Policy & Int'l Affairs
U.S. DOE

William Hohenstein, Director
Global Change Program Office
U.S. Dept. of Agriculture

OPEN DISCUSSION

10:15 **COFFEE BREAK**
Host: EM Publications & Forums

10:30 **TECHNICAL SESSIONS**

Capture and Separation - Sorbents (2)

—FOURTH ANNUAL CONFERENCE ON CARBON CAPTURE & SEQUESTRATION—

MODERATOR: **Edward L. Helminski**,
President, EM Publications & Forums

*Carbon Capture & Sequestration R&D
Supported by the DOE Office of Science
FY05/FY06*

Nick Woodward, Geosciences Res.
Prog., U.S. DOE Office of Science

OPEN DISCUSSION

*The DOE/NETL Comprehensive
FY05/FY06 Program to Support the
Development and Deployment of Carbon
Capture, Transmission & Sequestration
Technologies*

Scott Klara, Chair
Conference Steering Committee
Office of Coal & Power R&D
U.S. DOE-NETL

OPEN DISCUSSION

12:00 **CLOSING REMARKS/OPEN FORUM
WITH CONFERENCE PARTICIPANTS**

Scott Klara, Chair
Conference Steering Committee
Off. of Coal & Power R&D
U.S. DOE-NETL

Conference Steering Committee Members

A Rapporteur's Observations

12:30 **CONFERENCE ADJOURNS**

See Website www.carbonsq.com for complete schedule of papers and posters