



PROGRAM

STATE REGULATION OF COAL COMBUSTION BY-PRODUCT (CCB) PLACEMENT AT MINE SITES:

A TECHNICAL INTERACTIVE FORUM

MARRIOTT HARRISBURG-HERSHEY

MONDAY MAY 3, 2004

4:00—8:00 PM Check in for **FIELD TOUR** and **FORUM** at Marriott Harrisburg-Hershey, 4650 Lindle Road, Harrisburg, PA 17111

TUESDAY MAY 4, 2004

7:00 AM **CONTINENTAL BREAKFAST** at Marriott Harrisburg-Hershey,
Check in for **FIELD TOUR** and **FORUM**

7:30 AM Begin loading the bus for field tour

8:00 AM **DEPARTURE OF BUS FROM HOTEL FOR FIELD TOUR**
*(PERSONS WITHOUT LONG PANTS & STURDY FIELD SHOES OR BOOTS
MAY NOT BE ALLOWED TO LEAVE THE BUS AT SOME SITES)*

The tour will take in four or five sites where elimination of acid coal waste piles, AML reclamation, and mitigation of acid mine drainage is being conducted using Fluidized Bed Combustion technologies and products.

BOX LUNCH (INCLUDED IN REGISTRATION)

5:00 PM Return of Bus to Marriott Hotel from Field Tour

6:30 PM **DINNER AT MARRIOTT HOTEL (INCLUDED IN REGISTRATION)**

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WEDNESDAY MAY 5, 2004

- 7:00 AM **CONTINENTAL BREAKFAST** (Included in Registration)& **Check In**
- 8:00 AM **Welcome**
Brent Wahlquist, Director, Appalachian Regional Coordinating Center, Office of Surface Mining, Pittsburgh, Pennsylvania
- 8:10 AM **Introduction and Purpose of Forum**
Kimery Vories, Forum Chairperson, Office of Surface Mining, Alton, Illinois
- 8:20 AM **1st Session: FLUIDIZED BED COMBUSTION MATERIAL AND MINE RECLAMATION**
Chairperson: Alfred Dalberto, Pennsylvania Department of Environmental Protection, Bureau of Mining & Reclamation, Harrisburg, Pennsylvania
- 8:25 AM **Fluidized Bed Combustion Material Overview**
Dr. Francois Botha, Illinois Clean Coal Institute, Carterville, Illinois
- 8:45 AM **Remining and Reclamation of Two Large Bituminous Waste Coal Piles Using FBC Ash: A Watershed Restoration Perspective**
Timothy Kania, Pennsylvania DEP, Ebensburg, Pennsylvania
- 9:15 AM **2003 Update—Occurrence and Fate of Selected Trace Elements in Circulating Fluidized Bed Combustion By-Products**
Dennis Noll, Earthtech, Johnstown, Pennsylvania
- 9:45 AM **REFRESHMENT BREAK**
- 10:15 AM **The Chemistry and Mineralogy of Coal Derived Fly Ash: A Basis for Responsible Reuse**
Dr. Barry Scheetz, Pennsylvania State University, University Park, Pennsylvania
- 10:45 AM **Lessons Learned from Full-scale, Non-Traditional Placement of Fly Ash**
Dr. Caroline Loop, Pennsylvania State University, University Park, Pennsylvania
- 11:15 AM **Fuel and Ash Management for a Typical CFBC Facility**
Stephen Skidd, Cambria CoGen, Evansburg, Pennsylvania
- 11:45 AM **INTERACTIVE DISCUSSION**
- 12:10 PM **ADJOURN TO LUNCH** (Included in Registration)

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WEDNESDAY MAY 5, 2004

1:15 PM **2nd Session: STATE PROGRAM
REGULATION OF CCBs AT MINE SITES:
CASE STUDIES**

Chairperson: Dan Wheeler, Department of Commerce and Economic Opportunity, Office of Coal Development, Springfield, Illinois

1:25 PM **Permitting Issues Associated with wet FGD Placement at the Mettiki Mine in Maryland**

James Ashby, Mettiki Coal, LLC, Oakland, Maryland

1:55 PM **Regulatory Hurdles Associated with Mine Placement of Coal Combustion Materials at Hanson Aggregates Inc., Clarendon Quarry, Clarendon, New York**

Steve Potter, New York State Department of Environmental Conservation, Albany, New York

2:25 PM **Beneficial Use of Dredged Materials Amended with Coal Fly Ash for Abandoned Mine Reclamation in Pennsylvania**

Andrew Voros, NY/NJ Clean Ocean and Shore Trust (OCEAN), New York, New York

2:55 PM **REFRESHMENT BREAK**

3:25 PM **Alternative Methods of Ash Placement at a Non Coal Mine Site in Oklahoma**

Bret Sholar, Oklahoma Department of Mines, Oklahoma City, Oklahoma

3:55 PM **Historical Perspective of Coal Waste Management at Dakota Gasification Company, Antelope Valley Power Station and Coteau Properties Mine, Beulah, North Dakota**

Steve Tillotson, North Dakota Department of Health, Bismark, North Dakota

4:25 PM **Universal Mine Fill Site in Indiana: A Case Study of Fly Ash Utilization**

Ishwar Murarka, Ish, Inc. Sunneyvale, California

4:55 PM **INTERACTIVE DISCUSSION**

5:25 PM **ADJOURN TO SOCIAL RECEPTION**

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**THURSDAY MAY 6, 2004**

- 7:00 AM **CONTINENTAL BREAKFAST** (Included in Registration)
- 8:00 AM **3rd Session: ENVIRONMENTAL DAMAGE CASES**
Chairperson: Peter Michael, U.S. DOI Office of Surface Mining, Pittsburgh, Pennsylvania
- 8:05 AM **Chisman Creek Superfund Site: A Retrospective Review**
Robert J. Williams, Dominion Resources Services, Inc., Glen Allen, Virginia
- 8:35 AM **Ground Water Impacts from Coal Combustion Ash Disposal Sites in Wisconsin**
Philip Fauble (Madison) and Michael W. Zillmer (Milwaukee), Wisconsin Department of Natural Resources
- 9:05 AM **Leaching of Arsenic and Other Metals from a Fly Ash Dump in Beverly, Massachusetts**
David Lang, Ground Water Consultants, Inc. and Jan R. Schlichtmann Beverly, Massachusetts
- 9:35 AM **REFRESHMENT BREAK**
- 10:05 AM **Environmental Impacts of Power Plant Waste Placement in Mines**
Jeffery Stant, Clean Air Task Force, Indianapolis, Indiana
- 10:35 AM **Impacts of Aquatic Disposal of CCBs on vertebrates on the Savannah River Site**
Dr. William Hopkins, University of Georgia, Savannah River Ecology Laboratory, Aiken, South Carolina
- 11:05 AM **Ecotoxicological Impact of Coal Combustion By-products (CCBs) in South Carolina/Virginia Streams during the 1970s**
Dr. Donald S. Cherry, Virginia Polytechnic Institute and State University, Blacksburg, Virginia
- 11:35 AM **INTERACTIVE DISCUSSION**
- 11:55 AM **LUNCH (PROVIDED IN REGISTRATION)**



THURSDAY MAY 6, 2004

1:00 PM **4th Session: RESPONSE TO RECENT PUBLIC CONCERNS ABOUT CCB PLACEMENT AT MINE SITES IN PENNSYLVANIA**

Chairperson: Billie Ramsey, Anthracite Region Independent Power Producers Association, Camp Hill, Pennsylvania

1:05 PM **TEN MINUTE PANELIST PRESENTATIONS**

Dr. Barry Scheetz, Pennsylvania State University, University Park, Pennsylvania

Stephen Dixon, National Energy & Gas Transmission, Inc., Pennsylvania

Dennis Noll, Earthtech, Johnstown, Pennsylvania

Dr. Art Rose, Pennsylvania State University, University Park, Pennsylvania

Stephen Skidd, Cambria CoGen, Ebensburg, Pennsylvania

Larry LaBuz, PPL Generation, Allentown, Pennsylvania

2:05 PM **INTERACTIVE PANEL DISCUSSION**

3:00 PM **WHERE DO WE GO FROM HERE?**

Kimery Vories, Office of Surface Mining, Alton, Illinois

3:15 PM **ADJOURN**

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