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# STATE REGULATION OF CCB PLACEMENT AT MINE SITES



Beginning in May of 1994, the Office of Surface Mining (OSM) has taken an active role in encouraging and promoting technological advances, research, and technology transfer related to the placement of Coal Combustion By-products (CCBs) at mine sites. The primary activities and accomplishments of OSM in this area have been the establishment of a multi-interest group steering committee that has: (1) conducted national interactive forums on The Placement of Coal Combustion By-Products at Coal Mines in October of 1996 at Southern Illinois University; in April of 2000 at the National Energy Technology Laboratory in Morgantown, West Virginia; and in April of 2002 in Golden, Colorado (2) edited, published, and distributed thousands of copies of the forum proceedings; (3) provided technical assistance to the American Society of Testing Methods on draft guidance for CCBs on mine sites; and (4) developed and managed an Internet Website dedicated to providing a user friendly guide to CCB literature, organizations, EPA rule-making, and educational events.

OSM has signed a Memorandum of Understanding with the U.S. Department of Energy, National Energy Technology Laboratory (NETL) to collaborate on CCB research and issues. OSM staff serve on the: (1) national steering committee of the Combustion By-Products Recycling Consortium in order to assist in directing CCB research efforts; (2) the technical program committee for the biennial International Ash Symposium conducted by the University of Kentucky (UK) Center for Applied Energy Research; and (3) the national steering committee for the combined 2005 ACAA and UK World Ash Forum.

OSM staff are currently working with the U.S. Environmental Protection Agency to investigate whether or not additional Federal regulations are necessary to protect the public and environment when CCBs are placed at a mine site.

## A TECHNICAL INTERACTIVE FORUM

The Purpose of the interactive forum May 4-6, 2004 is to provide:



- ◆ An organized format for discussion of technical issues concerning the placement of CCBs at mines regulated primarily by State agencies;
- ◆ Easily understood, state-of-the-art summary talks by knowledgeable speakers;
- ◆ A published proceedings that summarizes the presentations and participant discussions;
- ◆ Access to the discussions for all interested participants at the forum;
- ◆ Opportunity for exhibits and posters on CCB projects, research, technology, and services;
- ◆ Bus tour of Pennsylvania Anthracite region where Fluidized Bed Combustion Ash is used to reclaim Abandoned Mine Land sites.

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VISIT THE CCB INFORMATION  
NETWORK WEBSITE AT :  
<http://www.mcrcc.osmre.gov/ccb>



## CONTENTS

- a user friendly guide, including abstracts, of existing scientific and technical literature;
- sources and location of CCB literature;
- access to the OSM library for copies of significant literature for loan to potential users;
- definitions of basic terminology;
- name and phone numbers of State contacts;
- history of EPA Rule Making;
- information and access to upcoming CCB special events; and
- identification of related websites that contain information on active researchers and research programs.

### FOR MORE INFORMATION CONTACT:

**Kimery C. Vories (Chairperson)**  
**USDOI Office of Surface Mining**  
**501 Belle St.**  
**Alton, IL 62002**  
**(618) 463-6463 x 103**  
**FAX (618) 463-6470**  
**E-mail: [kvories@osmre.gov](mailto:kvories@osmre.gov)**

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**TECHNICAL  
INTERACTIVE FORUM  
TOPICS**

- (1) Use of Fluidized Bed Combustion (FBC) Materials in Mining Reclamation
- (2) State Program Regulation of CCB Placement at Mine Sites with Case Studies
- (3) Environmental Damage Cases
- (4) Response to Recent Public Concerns with CCB Placement at Mine Sites in Pennsylvania

**BUS TOUR OF  
PENNSYLVANIA  
ANTHRACITE REGION:  
USE OF FLUIDIZED BED  
COMBUSTION ASH TO  
RECLAIM ABANDONED  
MINE LAND SITES**

**CCB FORUM  
STEERING COMMITTEE**

**American Coal Ash Association**

- David Goss
- Howard Humphrey

**Council of Industrial Boiler Owners**

- Robert Bessette

**Illinois Department of Commerce & Economic Opportunity, Office of Coal Development**

- Daniel Wheeler

**Southern Illinois University, Carbondale**

- John Mead

**The Ohio State University**

- Dr. Tarunjit Butalia

**Pennsylvania DEP, the Bureau of Mining and Reclamation, and the District Mining Operations**

- Alfred Dalberto

**TXU**

- Sid Stroud

**University of North Dakota**

- Debra Pflughoeft-Hassett

**USDOE National Energy Technology Laboratory**

- Lynn Brickett

**USDOI Office of Surface Mining**

- Joe Galetovic (WRCC)
- Peter Michael (ARCC)
- Kimery Vories (Forum Chairperson) and Randall Mills (MCRCC)

**USGS Minerals Information Team**

- Hendric G. van Oss

**STATE REGULATION  
OF CCB PLACEMENT  
AT MINE SITES:  
A TECHNICAL  
INTERACTIVE FORUM**



**MAY 4-6, 2004**

**Marriott Hotel  
4650 Lindle Road  
Harrisburg, PA 17111  
(717) 564-5511**

**INTERNET REGISTRATION  
AVAILABLE AT:  
[www.dce.siu.edu](http://www.dce.siu.edu)**

**EVENT ORGANIZERS**

*U.S. DOI, Office of Surface Mining,  
Mid Continent & Appalachian Regions;  
U.S. DOE, National Energy Technology  
Laboratory;  
Pennsylvania DEP, the Bureau of Mining &  
Reclamation, and the District Mining  
Operations*

**Host Sponsors**

*Illinois Clean Coal Institute  
Electric Power Research Institute*