

- Examination of the mechanisms of low-grade activated carbon formation under low-NO_x conditions, including the variables that affect carbon pore size distribution and practical means of controlling the pore size distribution.
- Identification of alternatives to the traditional NO_x reductants, catalysts, and/or chemical pathways that will not result in the release of toxic emissions when high NO_x removal efficiencies (>95%) are required.
- Direct conversion of NO_x from dilute flue gas streams to NO_x or a valuable byproduct.

Catalysts for Coal Conversion and Utilization

Catalysts are used in a host of coal conversion and utilization reactions. Although a vast and highly specialized literature exists for catalysts, a thorough understanding of the fundamental nature of catalytic coal conversion and utilization processes is still lacking. Systematic studies focused on understanding these fundamentals would lay the foundation for efficient development of catalysts for application in processes such as gasification, liquefaction, waste minimization, and contaminant control.

New or improved catalysts for controlling product distribution, removing pollutants, upgrading products, and reducing the severity of reaction conditions are needed. Regenerable, poisoning-resistant, and attrition-resistant catalysts for cleaving specific bonds in coals, converting cyclic saturates to branched saturates in coal-derived liquids, or promoting selective conversion of gasification products (into condensible and non-condensable hydrocarbons) and oxygenates are also of interest. Methods focused on the recovery of catalysts and the removal of catalyst-deactivating species would also be valuable.

Examples of research areas of interest include:

- Develop a structure-reactivity relationship for supported metal complexes as catalysts for applications in coal conversion and utilization reactions, including those for contaminant control.
- Develop a thorough understanding of the nature of the acidic catalysts used in hydrocarbon reactions at low temperatures and of the catalysts used in producing oxygenates for fuel applications.
- Develop a thorough scientific understanding of the dispersed/slurry catalysts used in direct coal conversion processes such as liquefaction, co-processing of coal with heavy oil and municipal wastes, and conversion of

bio-waste materials, and develop new or improved catalysts that would promote conversion into liquid or distillable products, increase hydrogen content, prevent coking, and remove heteroatoms. An integrated study of the behavior of these catalysts through generation, maturation, and recovery phases would be beneficial.

- Characterization of the reacting surfaces of heterogeneous coal conversion catalysts using modern analytical and microscopic instrumentation. The characterization might include determination of active sites and surface structure change due to sintering, site blockage, or poisoning. Novel methods for studying catalyst activity in real time on a continuous basis would also be desirable.

University Coal Research (UCR) Innovative Concepts Program

The DOE is interested in innovative and fundamental research pertinent to coal conversion and utilization *limited* to the following technical topic. The UCR Innovative Concepts Program is governed by this topic area. The examples provided under the technical topic are not intended to be all-encompassing. Offers on other subjects that fall within the scope of the area will receive the same evaluation and consideration as the examples cited.

Innovative Concepts Technical Topic(s):

As the twenty-first century approaches, the challenges facing coal and the electric utility industry continue to grow. Environmental issues such as pollutant control, both criteria and trace, waste minimization, and the co-firing of coal with biomass, waste, or alternative fuels will remain important. The need for increased efficiency, improved reliability, and lower costs will be felt as an aging utility industry faces deregulation. Advanced power and environmental systems will come into play as older plants are retired and utilities explore new ways to meet the growing demand for electricity.

Innovative research in the coal conversion and utilization areas will be required if coal is to continue to play a dominant role in the generation of electric power. Questions, like the ones that follow, will need to be answered:

- How can net-zero emissions of carbon dioxide from the combustion of fossil fuels be achieved?
- What are the implications of lowering the particulate matter standards (i.e. PM-2.5)?
- How can adaptive control systems and neural networks be integrated into the electric utility industry?

- Where can the largest efficiency gains be realized in a power plant?
 - How can the trace element emissions from power plants (i.e. mercury, selenium) be cost-effectively controlled?
 - How do we develop and test materials for advanced power systems?
- Successfully answering these and other questions in innovative ways will help us move confidently to the year 2000 and beyond.

Awards. DOE anticipates awarding financial assistance grants for each project selected. Approximately \$2.8 million will be available for the Program Solicitation: \$2.4 million is budgeted for the UCR Core Program and should provide funding for about 8-12 financial assistance awards. Maximum DOE funding for individual colleges/universities application varies according to the length of performance period as follows:

Performance period	Maximum funding
0-12 months	\$80,000
13-24 months	140,000
25-60 months	200,000

For joint applications, the maximum DOE funding is \$400,000 requiring a performance period of 36 months.

Approximately \$0.4 million is budgeted for the UCR Innovative Concepts Program and should provide support for eight financial assistance awards (Maximum DOE funding, \$50,000 for a 12-month period).

Solicitation Release Date. The Program Solicitation is expected to be ready for release by October 9, 1996. Applications must be prepared and submitted in accordance with the instructions and forms in the Program Solicitation and must be received by the Department of Energy by November 22, 1996. Upon receipt of the solicitation document, check for any changes (i.e. closing date of solicitation) and/or amendments, if any, prior to submittal of proposal.

William R. Mundorf,
Contracting Officer, Acquisition and Assistance Division.
 [FR Doc. 96-24977 Filed 9-27-96; 8:45 am]
 BILLING CODE 6450-01-P

Environmental Management Site-Specific Advisory Board, Department of Energy, Los Alamos National Laboratory

AGENCY: Department of Energy.
ACTION: Notice of open meeting.

SUMMARY: Pursuant to the provisions of the Federal Advisory Committee Act (Public Law 92-463, 86 Stat. 770) notice is hereby given of the following Advisory Committee meeting: Environmental Management Site-Specific Advisory Board (EM SSAB), Los Alamos National Laboratory.

DATES: Tuesday, October 8, 1996: 6:30 pm-9:30 pm, 7:00 pm to 7:30 pm (public comment session).

ADDRESSES: Hilltop House Hotel, Taos Room, 400 Los Alamos, New Mexico.

FOR FURTHER INFORMATION CONTACT: Ms. Ann DuBois, Los Alamos National Laboratory Citizens' Advisory Board Support, Northern New Mexico Community College, 1002 Onate Street, Espanola, NM 87352, (800)753-8970, or (505)753-8970, or (505)262-1800.

SUPPLEMENTARY INFORMATION:

Purpose of the Board: The purpose of the Advisory Board is to make recommendations to DOE and its regulators in the areas of environmental restoration, waste management, and related activities.

Tentative Agenda: Tuesday, October 8, 1996.

6:30 pm—Call to Order and Welcome

7:00 pm—Public Comment

7:30 pm—Old Business

8:30 pm—Sub-Committee Reports

9:30 pm—Adjourn

Public Participation: The meeting is open to the public. Written statements may be filed with the Committee either before or after the meeting. Individuals who wish to make oral statements pertaining to agenda items should contact Ms. Ann DuBois, at (800) 753-8970. Requests must be received 5 days prior to the meeting and reasonable provision will be made to include the presentation in the agenda. The Designated Federal Official is empowered to conduct the meeting in a fashion that will facilitate the orderly conduct of business. This notice is being published less than 15 days in advance of the meeting due to programmatic issues that needed to be resolved.

Minutes: The minutes of this meeting will be available for public review and copying at the Freedom of Information Public Reading Room, 1E-190, Forrestal Building, 1000 Independence Avenue, SW, Washington, DC 20585 between 9:00 a.m. and 4 p.m., Monday-Friday, except Federal holidays. Minutes will also be available by writing to Herman Le-Doux, Department of Energy, Los Alamos Area Office, 528 35th Street, Los Alamos, NM 87185-5400.

Issued at Washington, DC on September 24, 1996.

Rachel M. Samuel,

Acting Deputy Advisory Committee Management Officer.

[FR Doc. 96-24978 Filed 9-27-96; 8:45 am]

BILLING CODE 6450-01-P

Environmental Management Site-Specific Advisory Board, Rocky Flats

AGENCY: Department of Energy.

ACTION: Notice of open meeting.

SUMMARY: Pursuant to the provisions of the Federal Advisory Committee Act (Public Law 92-463, 86 Stat. 770) notice is hereby given of the following Advisory Committee meeting: Environmental Management Site-Specific Advisory Board (EM SSAB), Rocky Flats.

DATES: Thursday, October 3, 6:00 p.m.-9:30 p.m.

ADDRESSES: Doubletree Hotel, 8773 Yates Drive, Westminster, CO 80030, (near Highway 36 and Sheridan Boulevard).

FOR FURTHER INFORMATION CONTACT: Ken Korkia, Board/Staff Coordinator, EM SSAB-Rocky Flats, 9035 North Wadsworth Parkway, Suite 2250, Westminster, CO 80021, phone: (303) 420-7855, fax: (303) 420-7579.

SUPPLEMENTARY INFORMATION:

Purpose of the Board: The purpose of the Board is to make recommendations to DOE and its regulators in the areas of environmental restoration, waste management, and related activities.

Tentative Agenda:

(1) Representatives from Rocky Flats will be discussing their cleanup goals for Fiscal Year 1997, which begins on October 1. These goals are incorporated into the contract of the companies performing the cleanup work, as well as into the legally-binding regulatory agreement for Rocky Flats.

(2) The Board will be discussing and approving a recommendation on the proposed soil cleanup levels for Rocky Flats. The Colorado Department of Public Health and Environment, the U.S. Environmental Protection Agency, and the U.S. Department of Energy have proposed specific cleanup standards for contaminated soil at Rocky Flats. These proposed standards are currently under a public review and comment period.

(3) The Board will finalize and approve its 1997 work plan, which identifies projects the Board intends to complete during the next year.

Public Participation: The meeting is open to the public. Written statements may be filed with the Committee either

before or after the meeting. Individuals who wish to make oral statements pertaining to agenda items should contact Ken Korkia at the address or telephone number listed above. Requests must be received 5 days prior to the meeting and reasonable provision will be made to include the presentation in the agenda. The Designated Federal Official is empowered to conduct the meeting in a fashion that will facilitate the orderly conduct of business. Each individual wishing to make public comment will be provided a maximum of 5 minutes to present their comments. This notice is being published less than 15 days in advance of the meeting due to programmatic issues that needed to be resolved.

Minutes: The minutes of this meeting will be available for public review and copying at the Freedom of Information Public Reading Room, 1E-190, Forrestal Building, 1000 Independence Avenue, SW., Washington, DC 20585 between 9:00 a.m. and 4 p.m., Monday-Friday, except Federal holidays. Minutes will also be available at the Public Reading Room located at the Board's office at 9035 North Wadsworth Parkway, Suite 2250, Westminster, CO 80021; telephone (303) 420-7855. Hours of operation for the Public Reading Room are 9:00 a.m. and 4:00 p.m. on Monday through Friday. Minutes will also be made available by writing or calling Deb Thompson at the Board's office address or telephone number listed above.

Issued at Washington, DC on September 19, 1996.

Rachel Murphy Samuel,

Acting Deputy Advisory Committee Management Officer.

[FR Doc. 96-24979 Filed 9-27-96; 8:45 am]

BILLING CODE 6450-01-P

Environmental Management Site-Specific Advisory Board, Monticello Site

AGENCY: Department of Energy.

ACTION: Notice of open meeting.

SUMMARY: Pursuant to the provisions of the Federal Advisory Committee Act (Public Law 92-463, 86 Stat. 770) notice is hereby given of the following Advisory Board Committee Meeting: Environmental Management Site-Specific Advisory Board, Monticello Site.

Date and Time: Tuesday, October 15, 1996 7:00 p.m.-9:00 p.m.

Address: San Juan County Courthouse, 2nd Floor Conference Room, 117 South Main, Monticello, Utah 84535.