

# TECHNICAL PROGRESS REPORT

## APPALACHIAN CLEAN COAL TECHNOLOGY CONSORTIUM

Cooperative Agreement No.: DE-FC22-94PC94152

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Project Report for the period

October 10, 1994 - December 31, 1994

### Performing Organizations:

Virginia Polytechnic Institute & State University  
Blacksburg, VA

University of Kentucky  
Lexington, KY

West Virginia University  
Morgantown, WV

Date Submitted: June 26, 1995

Contracting Officer's Representative: Thomas J. Feeley III

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## **INTRODUCTION**

The Appalachian Clean Coal Technology Consortium (ACCTC) has been established to help U.S. Coal producers, particularly those in the Appalachian region, increase the production of lower-sulfur coal. The cooperative research conducted as part of the consortium activities will help utilities meet the emissions standards established by the 1990 Clean Air Act Amendments, enhance the competitiveness of U.S. coals in the world market, create jobs in economically-depressed coal producing regions, and reduce U.S. dependence on foreign energy supplies.

The consortium has three charter members, including Virginia Polytechnic Institute and State University, West Virginia University, and the University of Kentucky. The Consortium also includes industry affiliate members that form an Advisory Committee. Affiliate members currently include AMVEST Minerals; Arch Minerals Corp.; A.T. Massey Coal Co.; Carpco, Inc.; CONSOL Inc.; Cyprus Amax Coal Co.; Pittston Coal Management Co.; and Roberts & Schaefer Company.

## **OBJECTIVES**

In keeping with the recommendations of the Advisory Committee, first-year R&D activities are focused on two areas of research: fine coal dewatering and modeling of spirals. The industry representatives to the Consortium identified fine coal dewatering as the most needed area of technology development. Dewatering studies will be conducted by Virginia Tech's Center for Coal and Minerals Processing and the University of Kentucky's Center for Applied Energy Research. A spiral model will be developed by West Virginia University. Project management and administration will be provided by Virginia Tech, for the first year.

## **DISCUSSION**

The Cooperative Agreement governing the ACCTC was awarded effective October 10, 1995. As required by the Consortium Agreement and Bylaws, a solicitation was prepared by the Consortium Council and issued to each charter member. Proposals from the universities were received by October 31, 1994. Copies of each proposal were submitted to the members of the Advisory Committee who have been asked to make recommendations for funding based on the proposals received. If the committee deems it to be appropriate, it can make recommendations for revising the proposed projects to make them more responsive to the needs of the industry.

## **PLANS FOR THE NEXT QUARTER**

It is expected that recommendations will be received from the Advisory Committee early in the quarter. Subawards are to be issued to the successful proposers following final approval by the Consortium Council. A project kick-off meeting has been scheduled in Pittsburgh for February, 1995.