

DOE/PC/94116--T5

EMISSIONS REDUCTIONS IN COAL-FIRED HOME HEATING STOVES THROUGH USE OF BRIQUETTES

Quarterly Report:
for the period of July 1, 1995 to September 30, 1995

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DOE Project Officer
Thomas J. Feeley, III

Submitted by:

Acurex Environmental Corporation
4915 Prospectus Drive
P.O. Box 13109
Research Triangle Park, NC 27709

Submitted to:

Document Control Center
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Pittsburgh, PA, 15236-0940

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EXECUTIVE SUMMARY

During this reporting period, a major decision has been finalized by Acurex Environmental Corporation to continue the project into the Budget Period II. Subsequently, the Continuation Application including the Final Technical Report and Commercial Report (Business Plan) have been submitted to the DOE. At the same time, the Budget Period I has been extended through December 31, 1995.

INTRODUCTION/BACKGROUND

The work to be performed is part of the program in the Support for Eastern European Democracy (SEED) Act of 1989 (P.L. 101-179). Following the guidance of this legislation, a U.S.-Poland Bilateral Steering Committee (BSC) was established to define the program.

In October 1991, a Memorandum of Understanding (MOU) was signed by the U.S. Department of Energy (DOE) and the Ministry of Environmental Protection, Natural Resources and Forestry of the Republic of Poland. This MOU describes the cooperation that is being undertaken by the governments of the United States and the Republic of Poland to accomplish this program. Funding for this program is being provided through the Agency for International Development (AID).

The purpose of the program is to encourage the formation of commercial ventures between U.S. and Polish firms to provide equipment and/or services to reduce pollution from low emission sources in Kraków, Poland.

SPECIFIC OBJECTIVES OF THE PROJECT

The objective of the work to be conducted by Acurex Environmental Corporation is to create a commercially successful venture to market a low emission coal briquette to the residential heating market in Kraków.

APPROACH

The approach taken during Phase I was to develop an optimum briquette formulation using Polish raw materials. Once the optimum formulation was determined larger quantities were manufactured at the Brikpol facility of Euromining Consulting, Inc. in Bogdanka, Poland. These briquettes were used for marketing studies of the Kraków consumer market. Business development

proceeded in parallel with research of the Kraków residential heat market, preparations for formation of a joint venture company, and development of a business plan for the new company.

ACCOMPLISHMENTS DURING THE QUARTER

Accomplishments for this quarter included the following:

- Project oversight trip to Poland by Project Manager
- Presentation of results at the Third International Conference on Combustion Technologies for a Clean Environment
- Submission of Continuation Application including Final Technical Report and Commercial Report (Business Plan)
- Submission and approval of the extension of Budget Period I through 12/31/95

DISCUSSION

This quarter has been a period of management, technical, and business progress. A project oversight trip to Poland was made by the Project Manager. A paper presentation of the technical results was given at the Third International Conference on Combustion Technologies for a Clean Environment. The Continuation Application was submitted to the DOE. The application includes the Final Technical Report and Commercial Report (Business Plan). Extension of the Budget Period I was approved by the DOE through December 31, 1995.

DELAYED TASKS

All the tasks planned for the Budget Period I have been completed. There are no delayed tasks.

PLANS FOR NEXT QUARTER

The following activities are planned for the next quarter:

- Presentation at the "Low Emission Sources" conference in Kraków
- Distribution of the Business Plan to potential investors and negotiation of their participation.