GAS GENERATOR RESEARCH AND DEVELOPMENT

Progress Report No. 8
April 1972
(BCR Report L-465)

Submitted to the

Office of Coal Research
Department of the Interior
Washington, D. C.

May 19, 1972

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May 1, 1972

Mr. George Fumich, Jr.
Director
Office of Coal Research
U.S. Department of the Interior
Washington, D. C. 20240

SUBJECT: Monthly Progress Report No. 8
OCR CONTRACT NO. 14-32-0001-1207

Dear Mr. Fumich,

The Phase II studies on process and equipment development continue according to schedule. The large-scale equipment from the Stage 2 PEDU (100 lb/hr) have been removed from the cubicle and stored outside according to OCR instructions. The final summary report of the Stage 2 PEDU work was mailed on April 21, 1972.

The large blower (6,000 cfm) for the cold model studies of the 5 ton per hour gasifier has been installed. The results from the first series of tests have indicated that it may be possible to study slag separation and char reaction by using two liquids with different vapor pressures.

Testing of catalysts is continuing in the bench-scale methanator. Promising catalysts are given life tests and then will be tested in the cold model of the PEDU. Bench-scale work on char gasification is continuing.

Detail engineering, solicitation of bids, and purchase of equipment for the methanation PEDU continues. We are awaiting bids on the design of a fluidized-bed PEDU.

Bids were received on the construction and operation of the 5 ton per hour pilot plant. These bids are being evaluated on both a technical and cost basis.

Very truly yours,

John W. Igoe

JWI:kag

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TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

LIST OF FIGURES

LIST OF TABLES