

GAS GENERATOR RESEARCH AND DEVELOPMENT

Progress Report No. 10  
June 1972  
(BCR Report L-474)

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

July 24, 1972

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July 1, 1972

Dr. George R. Hill  
Director  
Office of Coal Research  
U.S. Department of the Interior  
Washington, D. C. 20240

SUBJECT: Monthly Progress Report No. 10  
OCR Contract No. 14-32-0001-1207

Dear Dr. Hill,

The Phase II studies on process and equipment development continue according to schedule.

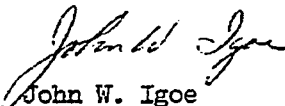
The cold model studies of the 5 ton per hour gasifier originally planned have been essentially completed. A summary report of the results obtained is being prepared. With the selection of a contractor to build a gasifier, departures from the original Koppers' design will probably be made. Further model tests may be necessary to evaluate any innovations in design.

Seven tests were conducted in the bench-scale methanator during the month to evaluate a nickel-tungsten catalyst. This catalyst showed potential merit for combined shift and methanation.

Construction of the methanation PEDU has begun, and many items of equipment have been ordered; other items are still being designed. An application for an air pollution permit has been submitted and we are awaiting action.

Final evaluation of the bids received on the construction and operation of the 5 ton per hour pilot plant has been completed and a recommendation has been submitted.

Yours very truly,

  
John W. Igoe

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TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION.....	562
A. Work Schedule.....	562
B. Monthly Progress Charts.....	562
II. PHASE II PROGRESS ACHIEVED DURING MONTH ENDING JUNE 25, 1972.	563
A. Laboratory-scale Process Studies.....	563
1. Gas Processing (M. S. Graboski).....	563
a. Bench-scale Studies.....	563
b. PEDU Studies.....	575
c. Future Work.....	577
2. Analytical Services (J. E. Noll).....	577
3. Gas Chromatographic Procedures (J. E. Noll).....	579
B. Cold Flow Model Experiments - 5 ton/hr Two-stage Gasifier (R. J. Grace, J. E. Noll, R. D. Harris, R. L. Zahradnik, and E. E. Donath).....	582
1. Stage 1 Model Tests.....	582
a. Review of Previous Tests.....	582
b. Test of Steam Ring in Throat.....	582
c. Conclusions from Test with Steam Ring.....	584
2. Stage 2 Model Tests.....	584
3. Future Work.....	586
4. Other Model Tests.....	586
C. Data Processing (R. K. Young and D. R. Hauck).....	586
1. Automated Data Acquisition.....	586
2. Commercial Gasifier Modeling.....	586
3. Future Work.....	586
D. Engineering Design and Evaluation.....	587
1. BI-GAS Process.....	587
2. OCR/BCR Gasification--Power Generation.....	587
E. Multipurpose Research Pilot Plant Facility (MPRF).....	587
1. Pilot Plant Bid Evaluation.....	587
2. Materials Evaluation Program.....	587
3. Permits - Industrial Waste Pollution Control Permit - Homer City, Pa.....	587

TABLE OF CONTENTS (Continued)

	<u>Page</u>
F. Literature Search (V. E. Gleason).....	587
G. Outside Engineering and Services.....	587
1. Koppers Company, Inc.....	587
2. Brigham Young University.....	588
H. Other.....	591
1. Prime Contract Matters.....	591
2. FPC National Gas Survey - Economics of Manufacturing SNG from Coal.....	591
3. Patent Matters.....	591
4. Reports and Papers.....	592
I. Visitors During June, 1972.....	592
J. Trips, Visits, and Meetings During June, 1972.....	593
K. Requests for Information.....	593
III. WORK PLANNED FOR JULY, 1972.....	593
A. Trips and Meetings Planned.....	593
B. Papers to be Presented.....	593
C. Visitors Expected.....	593
APPENDIX A-1 MANHCUPS.....	594
APPENDIX A-2 CUMULATIVE EXPENDITURES.....	595
APPENDIX B KOPPERS PROGRESS REPORT NO. 35.....	B-596
APPENDIX C ADDITIONS TO ABSTRACT FILE, JUNE 1972.....	C-606

LIST OF TABLES

<u>Table</u>		<u>Page</u>
122	Data and Results for BSM Test 69, Period 1, Conducted at 977 F and 1020 psig. Nickel-tungsten Catalyst No. 2905.....	564
123	Summary of Results for BSM Test 69, Catalyst No. 2905...	566
124	Data and Results for BSM Test 70, Period 1, Conducted at 930 F and 1001 psig. Nickel-tungsten Catalyst No. 2905.....	568
125	Summary of Results for BSM Test 70, Catalyst No. 2905...	570
126	Data and Results for BSM Test 71, Period 1, Conducted at 1023 F and 1013 psig. Nickel-tungsten Catalyst No. 2905.....	571
127	Summary of Results for BSM Test 71, Catalyst No. 2905...	572
129	Summary of Results for BSM Test 72, Catalyst No. 2905...	574
130	Summary of Status of PEDU Equipment Items.....	578
131	Differences in Thermal Conductivities (K) of Gases to be Analyzed and the Carrier Gas.....	581

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
142	Thermal Conductivity of Some Fixed Gases as a Function of Temperature.....	580
143	Schematic Arrangement of Simulated Steam Ring Installed in Throat Between Stages 1 and 2.....	583
144	Puff of Cork Dust at Instant of Initial Impact with Opposing Air Stream.....	585
145	Puff of Cork Dust After Initial Impact Showing Dispersed Dust Cloud Above Point of Impact.....	585
146	Near End of Puff View of Jet Being Obscured by Small Fraction of Cork Dust Recirculating at the Wall.....	585
147	Monthly Progress Chart, Expenditures, Brigham Young University.....	589