

APPENDIX A

KEY PROJECT REPORTS

This appendix lists a series of key project reports, collectively, document most, if not all of the significant technical information that were prepared during the course of this DOE contract, DE-AC22-93PC91029. Quarterly reports that were issued for the project also document these information but only included the technical progress of the study to that point. Monthly summary reports were prepared for the project, but they normally did not contain any significant technical information.

The list of these reports, cited also in INTRODUCTION section, are:

Report 1 - The current volume.

Report 2 - Refining and End Use Study of Coal Liquids Final Report – *Basic Program* (Topical Report issued March 1999 by Bechtel.)

Report 3 - Refining and End Use Study of Coal Liquids Topical Report – *Petroleum Refinery Linear Programming Model Design Basis* (Topical Report issued March 1995 by Bechtel and discussed in **Report 2**, the *Basic Program Report*.)

Report 4 - Refining and End Use Study of Coal Liquids Topical Report – *Addendum to the Linear Programming Refinery Model Design Basis* (Topical Report issued October 1997 by Bechtel and discussed in **Report 2**, the *Basic Program Report*.)

Report 5 - Refining and End Use Study of Coal Liquids Topical Report – *Option 1 Economic Evaluation* (Topical Report issued in July 1998 by Bechtel.)

Reports 6 and 7 - Refining and End Use Study of Coal Liquids Final Report - *Option 1 Fuel Production and Engine Testing* (Final Report and Appendix issued in May 1999 by SwRI.) Production runs are correlated along with small scale test data in **Report 2**, the *Basic Program Report*.

Report 8 - Refining and End Use Study of Coal Liquids Topical Report – *In-line Hydrotreater Simulation Study* (Topical Report issued in June 2001 by SwRI)

Report 9 - *Engine Evaluation of Fischer-Tropsch Diesel, Phase I* (Final Report prepared for Bechtel by SwRI and issued in October 1995)

Report 10- *Heavy-Duty Transient Emissions at Various Engine Timings using Fischer-Tropsch Diesel* (Final Report prepared for Bechtel by SwRI and issued in April 1997)

Report 11 - *ASPEN Process Flowsheet Simulation .Model of a Battelle Biomass-Based Gasification, F-T Liquefaction and Combined Cycle Power Plant* (Topical Report issued by Bechtel in May, 1998.)

Report 12 - *Updated Baseline Design/Economics of Indirect Gas Conversion* (Topical Report issued by Nexant in December, 2000.)

A single volume of each of the above are attached and sent along with the current Final Report.

APPENDIX B

PUBLICATIONS AND PRESENTATION

Following is a list of conference publications and presentations that were prepared during the course of this DOE Contract.

- C. Lowe, J. Erwin and S. Moulton “Refining and End Use Study of Coal Liquids Test Fuel Production and Testing – Part I” Proceedings of Coal Liquefaction and Gas Conversion Contractors Review Conference, Sept. 7-8, 1994.
- C. Lowe, J. Erwin and S. Moulton “Refining and End Use Study of Coal Liquids Test Fuel Production and Testing – Part II” Proceedings of Coal Liquefaction and Gas Conversion Contractors Review Conference, Sept. 7-8, 1994.
- C. Lowe and S. Tam “Refining and End Use Study of Coal Liquids II – Linear Programming Analysis” Proceedings of Coal Liquefaction and Gas Conversion Contractors Review Conference, August 29-31, 1995.
- C. Lowe, A. Lee, S. Tam, J. Erwin and S. Moulton “Refining and End Use Study of Coal Liquids – Effect of Direct Coal Liquefaction Severity on Upgrading Operations” Joint Power and Fuel Systems Contractors Conference, 1996.
- C. Lowe and S. Tam “Refining and End Use Study of Coal Liquids” Proceedings of Coal Liquefaction and Gas Conversion Contractors Review Conference, August 29-31, 1995.
- G. Choi, A. Helgeson, A. Lee, S. Tam, V. Venkataraman and S. Rogers “Design/Economics of an Associated Gas (or Sub-Quality Gas) Fischer-Tropsch Plant” 6th Natural Gas Conversion Symposium, June 17-22, 2001 at Girdwood, Alaska.