

REFERENCES

1. "SRC-II Process Physical Properties Data Book", Project Documentation File B5.2.02.04.
2. "Solvent Refined Coal (SRC) Process, Final Report", DOE/ET/10104-46 (Vol 1 & 2), May 1982.
3. "SRC-II Demonstration Plant-Unit 11 Technical Evaluations" Memorandum from D. E. Foringer to J. R. Sobernheim, October 10, 1980, Project Documentation File B1.2.11-13 (2).
4. Y. T. Shah, B. G. Kelkar, S. Godbole, M. Honath, R. Albal, A. Kulkarni, S. Phulgaonkar, "Progress Reports on the Thermal and Hydrodynamic Behavior of Multiphase Reactors", DOE/ET/10104-29, February 1982.
5. H. Hikita, et. al., "Gas Holdup in Bubble Columns", Chemical Engineering Journal, Vol. 20, 1980, pp. 59-67.
6. K. Parimi, M.D. Pitchford, "Axial Dispersion in Tall Bubble Columns - Tracer Tests", DOE/ET/10104-40, January 1982.
7. "Reactor Scaleup for the EDS Process", paper presented at the Eighth Annual EPRI Contractors' Conference on Coal Liquefaction", May 1983.
8. "Dissolver Model Critique - Interim Report", Memorandum from J. P. Carr to D. P. Lessig, July 10, 1980. Project Documentation File B1.2.11-13(1).
9. O. Levenspiel, Chemical Reaction Engineering -Second Edition, Chapter 9, John Wiley & Sons, Inc., New York, 1972.
10. R. W. Field, J. F. Davidson, "Axial Dispersion in Bubble Columns", Trans. Inst. Chem. Engr., Volume 58, 1980. pp. 228-236.

11. K. Parimi, "Fluid Dynamic Behavior of Large Bubble Columns", DOE/ET/10104-39, January 1982.
12. K. Parimi, M. D. Pitchford, "Solids Withdrawal from Three-Phase Fluidized Bed Reactors", DOE/ET/10104-26, January 1982.
13. D. F. Rhodes, E. G. Miller, "Dissolver Downcomer Tests at Ft. Lewis SRC Plant", GS&TC Systems and Controls Department Report No. 532TMO25, June 1981.
14. N. L. Carr, W. E. King, W. G. Moon, "Prepilot SRC-II Development Project: Hydrogen Consumption Kinetics", DOE/ET/10104-41, January 1982.
15. C.P.P. Singh, Y. T. Shah, N. L. Carr, M. E. Prudich, "A New Model for Coal Liquefaction", DOE/ET/10104-5(Vol 2), Appendix G, April 1981.
16. G. L. Jones, "Second Order Models for the SRC Yields from Kentucky and Powhatan Coals", DOE/ET/10104-T13, Appendix E, January 1981.
17. C.P.P. Singh, Y.T. Shah, N. L. Carr, "Thermal Behavior of SRC-II Reactors", DOE/ET/10104-34, Appendix G, February 1981.
18. C.P.P. Singh, N.L. Carr, "Simulation of an SRC-II Plant", DOE/ET/10104-51, February 1982.
19. C.P.P. Singh, Y. T. Shah, N. L. Carr, "Multiple Steady States in Coal Liquefaction (SRC-II) Reactors", DOE/ET/10104-5 (Vol. 2), Appendix J, April 1981.
20. G. L. Jones, "Simplified Steady State Analysis of SRC Reactor Thermal Response and Hydrogen Consumption", DOE/ET/10104- 5 (Vol 2), Appendix I, April 1981.
21. J. L. Stephenson, "Determination of the Heat of Reaction of the SRC-II Process Bases on Process Development Unit P-99 Dissolver Heat Balances", DOE/ET/10104-35, Appendix C, January 1982.

22. H. G. McIlvried, W. Gall, S. C. Tsai, "SRC-II Processing of Pittsburgh Seam (Powhatan 5 Mine) Coal in Process Development Unit P-99", DOE/ET/10104-5 (Vol 1), Appendix D, April 1981.
23. H. G. McIlvried, W. Gall, S. T. Mathias, "SRC-II Processing of Pittsburgh Seam- Interim Report for November 1980 - April 1981", DOE/ET/10104-20, August 1981.
24. "SRC-II Demonstration Project - A Summary and Analysis of Dissolver Sizing Considerations", Memorandum from G. C. Hilton to G. W. Brown, June 16, 1981. Project Documentation File Bl.2.11-14(1).
25. N. L. Carr, W. E. King, W. G. Moon, "Prepilot SRC-II Development Project - Hydrogen Mass Transfer Study", DOE/ET/10104-22, February 1982.
26. C. P. P. Singh, Y. T. Shah, N. L. Carr, "Effect of Mixing Energy on Hydrogen Reaction Rates in SRC-II Reactors", DOE/ET/10104-50, January 1982.
27. N. L. Carr, S. Kara, "Plan for an SRC-II Reactor Scaleup Study - Axial Variations of Hydrodynamic Properties in Tall Bubble Columns at High Temperatures and Pressures", DOE/ET/10104-35, Appendix D, January 1982.
28. "SRC-II Demonstration Plant Alternate Dissolver Study", Gulf Science and Technology Company Engineering Division Report No. 780RM0016, Project Documentation File Bl.2.11-13(5).
29. Y. T. Shah, Design of Coal Liquefaction Reactors, Chapter 5, Addison-Wesley Publishing Company, London, 1981.