

## SECTION 5: INDEX OF RELEVANT DOCUMENTS

The information presented in this report on the dissolver cold-flow modelling was derived from several internal reports, memoranda, status update reports, and published reports from Air Products and Chemicals, Inc., Allentown, PA. The following is a list of these relevant documents:

1. "SRC Cold-Flow Model Studies", by Juan Lopez, Air Products and Chemicals, Inc. Technical Progress Memorandum #6, October 1978.
2. Gas Holdup in Gas-Liquid and Gas-Liquid-Solid Flow Reactors by D. H. S. Ying, E. N. Givens, and R. F. Weimer, Air Products and Chemicals, Inc. Published I&EC Process Design & Development, Volume 19, pages 635-638, October 1980.
3. Interoffice Memorandum by E. N. Givens to R. F. Weimer containing monthly progress reports by D. H. S. Ying on project no. 87-1-X921 titled, "Dissolver Design Study," from October 1978 to September 1979.
4. Technical Progress Reports, "Solid Product Solvent Refined Coal Process," July 1979 and August 1979.
5. Interoffice memorandum by R. F. Weimer to G. W. Roberts, "Mathematical Modelling of Solids Buildup in Tubular Dissolvers" (87-1-X921), 12 January 1979.

6. Interoffice memorandum by R. F. Weimer to D. H. S. Ying, "Entrance Effect on Gas Holdup" (87-0-8884) 25 January 1980.
7. Interoffice memorandum by D. H. S. Ying to P. L. T. Brian, "Gas Holdup in Kerosene System", 29 September 1980.
8. Monthly Progress Report, Section 9, "Entrance Effect on Gas Holdup," January 1980.
9. Interoffice memorandum by R. W. Skinner to E. N. Givens, "Stirrer Design for 1 and 2-Liter CSTR Reactors."
10. SRC-I Quarterly, "Stirred Reactor Hydrodynamics" by D. H. S. Ying, April-June 1982, pp. 339-358.
11. Monthly Progress Report, "Entrance Effect of Gas Holdup," by D. H. S. Ying, January 1980.
12. Monthly Progress Report, "Foam Formation in Wilsonville Recycle Solvent" by D. H. S. Ying, February 1980.
13. Interoffice memorandum by D. H. S. Ying to P. L. T. Brian, "Gas Holdup in Kerosene System."
14. "Gas/Slurry Flow in Coal Liquefaction Processes (Fluid Dynamics in a Three-Phase Flow Column)," Final Technical Progress Report for Period 1 October 1979-31 March 1982 by David H. S. Ying, R. Sivasubramanian, Samir F. Moujaes, E. N. Givens.