



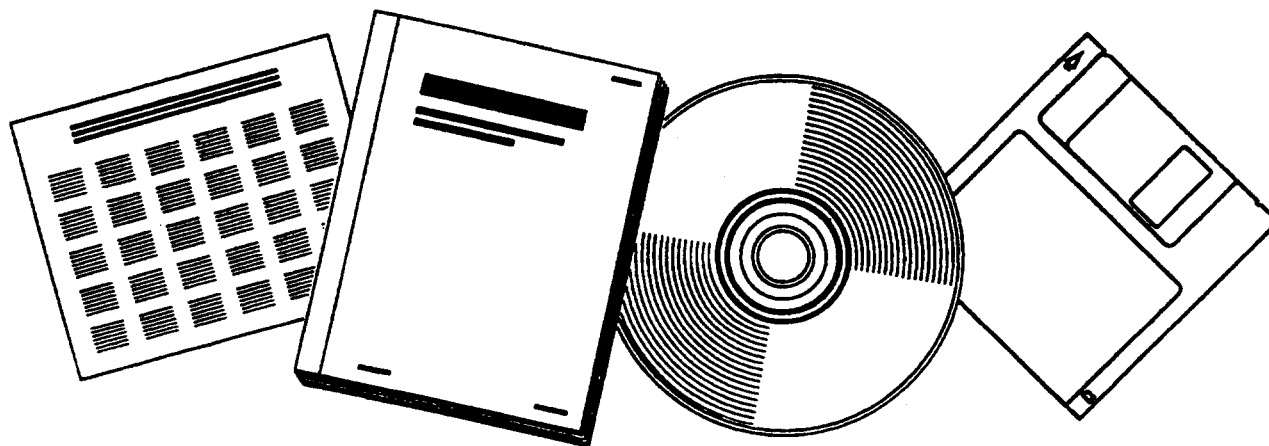
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ASSESSING THE ECONOMIC IMPACT OF INDIRECT LIQUEFACTION PROCESS IMPROVEMENTS: VOLUME 1, DEVELOPMENT OF THE INTEGRATED INDIRECT LIQUEFACTION MODEL AND BASELINE CASE

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Assessing the Economic Impact of Indirect Liquefaction Process Improvements: Volume I: Development of the Integrated Indirect Liquefaction Model and Baseline Case

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ABSTRACT

This report documents the development of an integrated indirect liquefaction system model, which processes input coal to refined liquid products, and the model's application in the analysis of a baseline case. The baseline case uses Shell gasification of coal followed by gas cleaning to produce a clean synthesis gas for slurry-phase Fischer-Tropsch synthesis. The raw liquid products are refined to produce gasoline and diesel. Costs of liquid products have been estimated for the baseline plant. The model also allows many sensitivity studies to be performed so that the economic impacts of research and development advances can be quantified. When used in this manner, the model can provide research guidance for future indirect liquefaction studies.

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