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A STATUS REPORT ON COAL-OIL SLURRY  
PROJECTS IN CANADA

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Adlibitum presentation to the US DOE Contractor Review Meeting Coal-oil  
Mixture (Base Technology) Field Project, Pittsburg, Pa. September 7-8, 1978.

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# A STATUS REPORT ON COAL-OIL SLURRY PROJECTS IN CANADA

by

H. Whaley\*

## ABSTRACT

In Canada, the federal department of Energy, Mines and Resources (EMR) is the principal agency responsible for the development, utilization and conservation of the mineral and energy resources of the country. Within the department are a number of groups engaged in a co-ordinated research program which is directed towards the development of specific mineral and energy technologies for national use. These groups fall under the research organization of EMR the Canada Centre for Mineral and Energy Technology (CANMET), which is directly responsible for administering the Mineral and Energy Research Programs. In addition, to the in-house program of energy and mineral research, some of which is jointly funded with industry, there is a government sponsored program of contract research. Research projects in specific energy and mineral related areas are invited for consideration and may either be fully funded (100% Government Funding) or jointly funded (50% Government - 50% Project Contractor).

In order to encourage the use of coal in place of premium fuels, the department initiated the Coal Conversion Program in 1976 to meet this objective. In phase II of the program which covered the period April 1, 1977 to March 31, 1978 a jointly funded program with the New Brunswick Electric Power Commission was initiated to study the feasibility of burning coal-oil mixtures in a small generating facility. Phase III of the program covering the period April 1, 1978 to March 31, 1979 includes a continuation of the New Brunswick Power project and the initiation of three others. These are

- 1) Ontario Research Foundation: Study of the Combustion of Coal-oil Slurries and Coal-oil water Emulsions
- 2) Stelco: Development of Coal-oil Slurry Fuels for Blast Furnace Injection
- 3) Saskatchewan Research Council: Proposal to Determine the Rheological Properties of Coal-oil Slurries

An update of the status of all four coal-oil slurry programs being supported by the Coal Conversion Program was given.

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