



FALCONBRIDGE

RG-1492

Memorandum

Date: December 5, 1985

To: D.J. Emery - via Rapifax

Copies to: P.J. Raleigh, F.G.T. Pickard

From: S.O. Fekete

Subject: ARSENIC PROJECT

As you requested, herewith the writer's thoughts on the subject:

1. Lakefield were requested in May to conduct some exploratory tests on the dissolution of As_2O_3 from crude dust and characterize the residues produced. Tentative conclusion based on this work was that it will be difficult to dissolve and remove all the soluble As_2O_3 and produce a residue which might be classified as non-hazardous. The best they could achieve was about 5% water soluble As_2O_3 in the residue.

The work was terminated in August pending review of progress made by AR and clarification as to who will do what. In the meantime, the Hickson group got into the picture and appear to be in a position to carry out the necessary work.

The cost of the work carried out at Lakefield was about \$15,000.

2. Judging from our discussions with Tom Robson the Hickson group does seem to have the financial and technical acumen to develop and commercialize the concepts advocated by AR. It is recommended that Giant support this work and contribute up to \$250,000 to develop bench and pilot plant scale data to be used for a feasibility study and design of a commercial facility.
3. Giant's contribution to the development expenses should be made contingent on sharing in the program planning and gaining reasonable access to the information obtained. It should also be recognized that the expenses at this stage are to be considered venture capital with no guarantee that a viable process will result.

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