

FALCONBRIDGE NICKEL MINES LIMITED

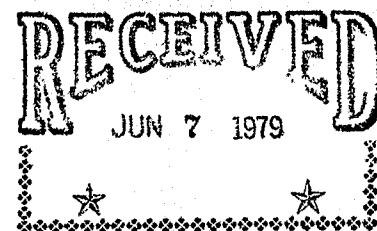
INTER-OFFICE MEMORANDUM

DATE: May 31, 1979

TO: D.J. Emery

COPIES TO:

FROM: H.T. Evans

SUBJECT: GIANT YELLOWKNIFE ARSENIC PROJECT

In connection with the recovery of arsenic trioxide from residues to which Giant Yellowknife has access, it will be self-evident that the residue from the primary leach will be substantially enriched both in gold and those elements or compounds which are insoluble in the leach liquor used. I feel that it is entirely possible for certain elements in the leach residue to be concentrated to a level at which their recovery becomes economically attractive. In this regard, would it be possible to get a reasonably complete analysis of the major elements in the primary leach residue from the arsenic pilot plant in order to determine whether the recovery of other elements is worthy of consideration? For example, should the hot water leach process be commercially developed, essentially all elements in the feed, excluding the arsenic trioxide, would report in the residue. This, under suitable conditions, might be selectively leached to recover, for example, antimony.

H. T. EVANS

HTE:ld