

KGT

Post Office Bag 3000
Yellowknife, Northwest Territories
Canada X1A 2M2
Telex 034-45514
Phone 403/873-6301



July 2, 1986

The Manager,
Lakefield Research
of Canada Limited,
P.O. Box 430,
Lakefield, Ontario
K0L 2H0

Dear Sir:

Re: Arsenic Trioxide Digested in Ammonia Liquor

Enclosed please find a sample of arsenic trioxide residue. The residue was originally arsenic trioxide dust, from Giant Yellowknife Mines Limited, grading 93.6% As_2O_3 , which has been digested in ammonia liquor to recover As_2O_3 .

The residue has been assayed as follows:

As_2O_3	1.73%
As_2O_3	11.32%
Fe	2.17%
Pb	0.16%
Ca	2.97%
Si	6.9%
Su	130 p.p.m.
Zn	184 p.p.m.
Balance	Acid and Alkali Insolubles

Please conduct the following:

1. Assay for Au, Ag, As_2O_3 , As_2O_5 and Fe.
2. Carbon-in-leach (C.I.L.) for gold and silver recovery. The parameters for the leach should be similar to the work conducted in Lakefield, Project No. 3021, Test No. 5 by I. Jackman but with the addition of amine acetate as in tests 1 and 2.

...2

Lakefield Research
Page Two
July 2, 1986

I realize the sample is small but if possible a C.I.L. test would be appreciated.

Your purchase order number will be 34846 to the value of \$1,500.

If you have any queries please contact G. Halverson, Mill Metallurgist.

Yours very truly,

GIANT YELLOWKNIFE MINES LIMITED



K. G. Thomas, P.Eng.,
Mill Superintendent

KGT:kis

Enclosure

cc: K. Blower, General Manager
G. Halverson, Mill Metallurgist

EW