

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,  $As_2O_3$ ,  $As_2O_3$  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.

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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