

November 3, 1964

Mr. M. L. Brown,  
Mining Inspector,  
YELLOWKNIFE,  
N. W. T.

Dear Mr. Brown,

The following is the result of our 4th roaster stack sampling test:

Sampling Date: October 28th, 1964

Gas Temperature	205° F
Gas Velocity	9.95 ft./sec.
Total Gas Volume	25,870 c.f.m.
Dust Loss	843 lb./day
Dust Analysis	65.50% As.
Arsenic to Atmosphere	552 lb./day
Arsenic in Roaster Feed	46,620 lb.
Arsenic in Calcine & Cottrell Dust	5,420 lb.
Arsenic to Baghouse Collector	41,200 lb.
Stack Loss (per cent of arsenic to collector)	1.34 per cent
Baghouse Collection Efficiency	98.66 per cent

Yours very truly,

GIANT YELLOWKNIFE MINES LIMITED

D. R. De Laporte, P. Eng.  
Mine Manager

DRD:vw