

September 19, 1966

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

Dear Mr. Brown:

Enclosed are three copies each of the three stack tests  
which we did this summer.

Yours very truly,

GIANT YELLOWKNIFE MINES LIMITED

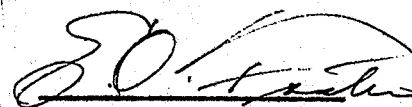
D. R. DeLaporte  
General Manager

Enc.  
DRD/nh

To W. A. Case; R. J. McLeod  
From E. O. Foster  
Subject ROASTER STACK FILTRATION TEST

Date September 16, 1966  
Ref. EOF/dvd

Sampling Date:	Sept. 14, 1966
Gas Temperature	189 degrees F.
Gas Velocity	10.89 ft/sec.
Total Gas Volume	28314 c.f.m.
Dust Loss	54.94 lb/day
Dust Analysis	44.78 %As
Arsenic to Atmosphere	24.60 lb/day
Arsenic in Roaster Feed	36860 lb.
Arsenic <sup>in</sup> /Calcine & Cottrell Dust	<u>4020 lb.</u>
Arsenic to Baghouse Collector	32840 lb.
Baghouse Collection Efficiency	99.9%



E. O. Foster

To W. A. C.; R. J. McL.;

Date June 10, 1966

From E. O. Foster

Ref.

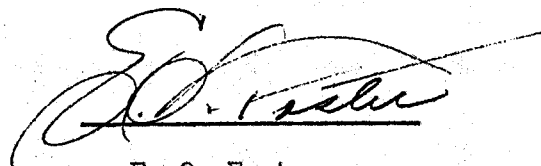
Subject ROASTER STACK FILTRATION TEST

Sampling Date:	8th June, 1966
Gas Temperature	213 degrees F.
Gas Velocity	10.69 ft/sec
Total Gas Volume	27,794. c.f.m.

Dust Loss	1091.46 lb/day
Dust Analysis	64.40 % As
Arsenic to Atmosphere	702.9 lb/day

Arsenic in Roaster Feed	39,474 lb
Arsenic in Calcine & Cottrell Dust	4,888 lb
Arsenic to Baghouse Collector	<u>34,586 lb</u>

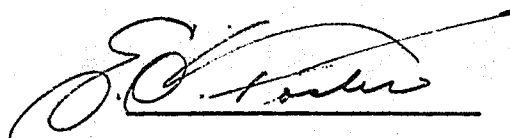
Baghouse Collection Efficiency	97.9 per cent
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E. O. Foster

To ..... W. A. C.: R. J. McL.:  
From ..... E. O. F.  
Subject..... Roaster Stack Filtration Test

Date..... May 25, 1966  
Ref. ....

Sampling Date:	May 23rd, 1966
Gas Temperature	198 degrees F.
Gas Velocity	10.18 ft/sec
Total Gas Volume	26,461 c.f.m.
Dust loss	23.61 lb per day
Dust Analysis	64.64 % As
Arsenic to Atmosphere	15.3 lb per day
Arsenic in Roaster Feed	37,260 lb.
Arsenic in Calcine & Cottrell Dust	4,300 lb.
Arsenic to Baghouse Collector	32,306 lb.
<u>Baghouse Collection Efficiency</u>	99.9 per cent.



E. O. Foster