

CYANAMID

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CYANAMID OF CANADA LIMITED

ROOM 502

BANK OF NOVA SCOTIA BUILDING, VANCOUVER 2, B.C.

TEL. 682-3891

September 21, 1970

Anvil Mining Corporation Limited  
P.O. Box 1000  
Faro, Yukon Territory.

Attention: Mr. P. Taggart  
Mill Superintendent

Dear Peter:

We are pleased to enclose two copies of the microscopical report from our Stamford Research Laboratory. This study was done on the samples of the various mill products which you submitted to us in May of this year.

A summary of our observations is given on page 3.

No specific silver minerals were observed and it is assumed that the silver occurs in the tetrahedrite observed in the lead concentrate which assayed 14.7 oz. Ag per ton, or possibly in the galena itself.

The considerable quantity of "apparently free" sphalerite, pyrite and marcasite particles in the lead concentrate would appear to indicate that a more selective collector like Aerofloat 242 Promoter would be very successful. We understand that you are now using Aerofloat 242 and we hope that it has shown better selectivity.

The report also indicates abundant "apparently free" pyrite particles in the zinc concentrate. Since our dry Aerofloat Promoters, like Aerofloat 208 Promoter and Aerofloat 211 Promoter, are known to give good selectivity against iron sulphides, these would be very well worth investigating. Aerofloat 211 is used widely in sphalerite and marmatite flotation where selectivity towards pyrite is important.

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Anvil Mining Corporation Limited  
Mr. P. Taggart

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If you will recall, the flotation work which Joe German did with Aerofloat 208 and 211 back in May gave very impressive results in that good rougher concentrate grades with good recoveries were obtained.

We hope that you will consider the above suggestions and if you think that we can be of any assistance, or if you have any questions regarding our reagents or the attached report, we hope that you will not hesitate to contact us.

Yours very truly,

CYANAMID OF CANADA LIMITED

A handwritten signature in cursive script, appearing to read "W.H. Thomas".

W.H. Thomas  
Manager - Mining & Chemical Sales  
Western Region.

WHT/cb

Encl.