

April 22, 1963

J. W. Grainge, P. Eng.,
Department of National Health & Welfare,
Public Health Engineering Division,
541 Federal Public Building,
EDMONTON, Alberta

Dear Sir:

I have received your letter of April 19th regarding the use of arsenic as a tracer.

When we sampled the dam overflow last week, the results indicated approximately three parts per million. This seems to confirm the remarks I made in my letter of April 15th to Mr. Hyslop. We are continuing this overflow sampling on a weekly composite basis.

It is rather questionable if there is any other dissolved substance that could be used for a tracer for a quantitative analysis. We, however, will investigate this further and let you know as soon as possible. The possibilities of using radio active tracers should not be overlooked. The Department of Mines and Technical Surveys has been doing some interesting work in this field in recent times. Perhaps they should be consulted.

I would suggest that before any final plans are made that you should make a trip to Yellowknife to discuss the problems involved with our metallurgist and mill superintendent. It is quite possible that they could make some suggestions that would be of value to you.

Yours truly,

GIANT YELLOWKNIFE MINES LIMITED.

M. K. Pickard,
General Manager.

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