

THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED

CABLE ADDRESS
"COMINCO"

Rec'd Feb. 5

February 1, 1951.

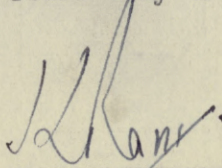
Doctor Kingsley Kay,
Chief Industrial Health Laboratory,
200 Kent Street,
Ottawa, Ontario.

Dear Doctor Kay:

I have your letter of December 29, 1950, in which you concur with my suggestion that we change the sampling frequency for arsenic determination on Con and Yellowknife domestic waters to once per month instead of weekly. I will pass this on to our Mr. White at Con, with the request that weekly tests be again undertaken, if the waters show any tendency to increase in arsenic tenor.

With regard to the woolen bags which we use for determining stack loss, these bags, in our experience, have an overall efficiency of something over 95%, the loss decreases with the sampling time, so that at the beginning of a test, the efficiency may be under 95%, but by the time the test is completed, the pore spaces have become fairly well plugged with the consequent increase in retention efficiency. If we are interested in making a very precise measurement, or when working with materials which do not tend to plug the pores, we place a Whatman thimble in tandem with the bag. When working with a flocculent material such as the arsenical fume, the bag efficiency would be very high. For your own information, I am enclosing one of the bags which we commonly use for stack loss tests. Different types of bags may be obtained, but this is the sample of the bag which we ordinarily use.

Yours very truly,



K. Raht.

KR:ij
C.C.: C.E. White
File