



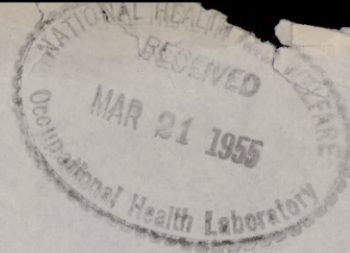
CANADA

NORTHERN ADMINISTRATION
AND LANDS BRANCH

DEPARTMENT
OF

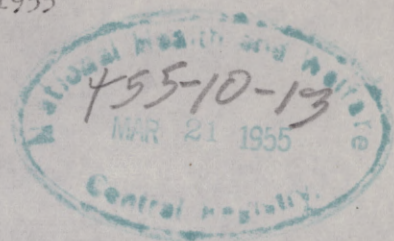
NORTHERN AFFAIRS AND NATIONAL RESOURCES

Yellowknife, N.W.T.
March 14th, 1955



PLEASE QUOTE

FILE.....

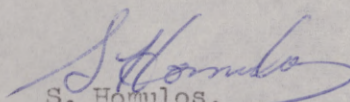


Dr. K. Kay,
Industrial Health Laboratories,
200 Kent Street,
Ottawa, Ont.

Dear Sir:

Enclosed find report on the arsenic content of
dust samples taken between January 14th and February 16th at
Giant Yellowknife Gold Mines Limited.

Yours truly,


S. Homulos,
Mining Inspector.

SH/ct

Dr. Ball

For info of Winkish and any action necessary

KIC

14 Jan - 16 Feb 55

Feb. 21/55

No.	As ₂ O ₃ Dust Samples		Days Exposure	lbs As/acre/year
	Mg. per sq. ft.			
1	.965		29	0.915
2	.386		29	0.353
3	10.060		29	9.20
4	2.815		31	2.41
5	14.354		31	12.25
6	37.520		29	34.3
7	.483		30	0.426
8	1.990		29	1.818
9	2.339		29	2.12
10	no sample		-	-
11	5.125		31	4.38
12	50.900		29	46.5
13	2.992		30	2.64
14	4.978		29	4.56
15	29.490		30	26.1
16	96.710		30	85.5

Giant yellowknife fall pan samples.

M.R. Fraser

$$\text{As}_2\text{O}_3 \times 0.7574 = \text{As.}$$

$$\text{Mg As}_2\text{O}_3/\text{sq. ft} \times 0.7574 \times 0.096 = \text{lbs As/acre.}$$

$$\text{Mg As}_2\text{O}_3/\text{sq. ft/day} \times 0.7574 \times 35.04 = \text{lbs As/acre/}$$

(26.54)

samples from
Giant yellowknife