



CANADA

NORTHERN ADMINISTRATION  
AND LANDS BRANCH

DEPARTMENT  
OF  
NORTHERN AFFAIRS AND NATIONAL RESOURCES

LANDS DIVISION

Yellowknife, N. W. T.  
May 13, 1955.

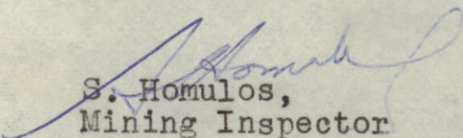
Mr. J. P. Windish,  
Industrial Health Laboratory,  
Dept. of National Health & Welfare,  
200 Kent Street,  
OTTAWA, Ontario.

Dear Jack:

Enclosed is a sketch showing sampling points for fall pan samples taken by Giant. These are to be taken monthly however due to weather conditions the last pans were out between fifty-six and fifty-seven days. At the time your wire arrived I was at Eldorado and on checking with Giant I found that they had not yet completed their sampling. They are now reporting the elemental arsenic rather than  $AS_2O_3$ .

The hot cottrell has now been in operation since about February 28th, however Giant are using it as a second cold cottrell rather than a hot cottrell. There does not seem to be a great deal of improvement since this second cottrell was put into operation.

Yours very truly,

  
S. Homulos,  
Mining Inspector

SH/jb  
Encl

## GIANT YELLOWKNIFE GOLD MINES LIMITED

May 5, 1955

ARSENIC SAMPLES

No.	Mg.As per sq.ft.	lbs As per acre per year.	Days Exposure	Mg.As	
				per sq.ft.	per day
1	1.68	1.05	56	.03	
2	2.39	1.51	56	.043	
3	3.79	2.42	56	.068	
4	4.35	2.66	57	.076	
5	10.39	6.38	57	.182	
6	7.34	4.59	56	.131	
7	15.28	9.57	56	.273	
8	9.84	6.17	56	.176	
9	3.18	2.00	56	.057	
10	10.01	6.27	56	.179	
11	5.62	3.43	57	.098	
12	15.45	9.67	56	.276	
13	1.52	0.95	56	.027	
14	2.69	1.68	56	.048	
15	Lost	—	57	—	
16	139.7	85.8	57	2.449	

3 mile  
radius  
of stack2 mile  
radius  
of stack1 mile  
radius of  
stack1/4 mile  
south of  
stackMg per sq. ft.  $\times 0.096 =$  lbs/acreMg per sq. ft per day  $\times 35.04 =$  lbs/acre/year.

FEB 16 - APRIL 12

