

GIANT YELLOWKNIFE MINES LIMITED  
YELLOWKNIFE, N.W.T.

# MEMORANDUM

To D.J. Emery, Lab

Date August 11-71

From Assay Office

Ref.

Subject Aerial Arsenic Samples

1 mile North	1.12 mgr. As
2 mile North	0.61
2 mile East	0.26
1 mile South	0.31
2 mile South	0.26
1 mile West	0.41

W.L. Richardson



## GIANT YELLOWKNIFE MINES LIMITED

ORE DRESSING LABORATORY REPORT

Test Number.....

Type of Test.....

Date .....

Details of Test:

1 mile radius of stock

West	0.41 mgm / 14 days	= .347 mgm/day
North	1.12 mgm / 13 days	= .943 mgm/13
South	0.31 mgm. / 13 days.	= .133 mg/13

West monitor put out on July 26th when tap water contained 0.021 <sup>mgm/litre</sup> As. ∴ deduct 0.063 mgm from above figure.

Other monitors all put out on July 27th when tap water contained 0.059 mgm/litre As. ∴ deduct 0.177 from all other figures.

i.e. West = .347 mgm / 14 days = .025 mgm/day  
 North = .943 " / 13 " = .073 "  
 South = .133 " / 13 " = .010 "

Average "A" = 0.036 mgm/day.



# GIANT YELLOWKNIFE MINES LIMITED

## ORE DRESSING LABORATORY REPORT

Test Number.....

Type of Test.....

Date .....

Details of Test:

$$\begin{aligned}
 \therefore \text{As fallout} &= .036 \text{ mgm/day} \\
 &= \frac{.036}{1000} \times 6,272,640 \times 30.68 \times 453.6 \\
 &= \frac{225815.040}{13916448} \text{ lbs/acre/day} \\
 &= \frac{(.01622649)}{0.016} \text{ lbs/acre/day}
 \end{aligned}$$

Distance radius of stack

$$\begin{aligned}
 \text{North} &: 0.31 \text{ mgm/13 days} - 0.177 \text{ mgm} = .453 \text{ mgm/13 days} \\
 \text{South} &: 0.26 \text{ " } - 0.177 \text{ " } = .083 \text{ " } \\
 \text{East} &: 0.26 \text{ " } - 0.177 \text{ " } = .083 \text{ " }
 \end{aligned}$$

$$\begin{aligned}
 \text{Average} &= \frac{.19966667}{.200} \text{ mgm/13 days} \\
 &= .015 \text{ mgm/day}
 \end{aligned}$$

$$\begin{aligned}
 \therefore \text{As fallout} &= \frac{.015 \times 6,272,640 \times 30.68 \times 453.6}{1000 \times 453.6 \times 30.68} \text{ lbs/acre/day} \\
 &= \frac{14089.600}{13916448} \text{ lbs/acre/day} \\
 &= (.0065) = .007 \text{ lbs/acre/day}
 \end{aligned}$$