



ACTION REQUEST - FICHE DE SERVICE

GOVERNMENT OF CANADA

GOVERNEMENT DU CANADA

FILE NO.—DOSSIER N°

DATE

Apr. 14/70

TO—À Dr. W. H. Frost, Senior Medical
Advisor, Indian Health & Northern Health
Room 1978, General Purpose Bldg.,
FROM—DE Tunney's Pasture.
Chief, P.H.E.

☐ PLEASE CALL
PRIÈRE D'APPELER

TEL. NO.—N° TEL.

EXTENSION—POSTE

☐ WANTS TO SEE YOU
DÉSIRE VOUS VOIR

DATE

TIME—HEURE

☐ WILL CALL AGAIN
DOIT RAPPELER

☐ ACTION
DONNER SUITE

☐ APPROVAL
APPROBATION

☐ COMMENTS
COMMENTAIRES

☐ DRAFT REPLY
PROJET DE RÉPONSE

☐ MAKE
FAIRECOPIES

☐ NOTE AND FILE
NOTER ET CLASSER

☐ NOTE & RETURN
NOTER ET RETOURNER

☐ NOTE & FORWARD
NOTER ET FAIRE SUIVRE

For your information.

R. E. Tait, P. Eng.

CALL RECEIVED BY
MESSAGE REÇU PAR

TIME
HEURE



MEMORANDUM

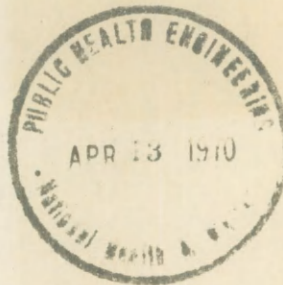
850-5-X751

CLASSIFICATION

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TO
A

Mr. R.E. Tait, Chief
Public Health Eng. Div.
OTTAWA, Ontario



YOUR FILE No.
Votre dossier

OUR FILE No.
Notre dossier

DATE

April 8, 1970

FROM
De

Northern Region
Edmonton 2, Alberta

FOLD

SUBJECT
Sujet

Arsenic Concentration in Giant
Yellowknife Mines Process and
Drinking Water

A summary of the data obtained to date is:

Reporting Period	Frequency of Occurrence % of Time		Arsenic Concentration mgAs/l			
	Acceptable Limit (≤ 0.010 mgAs/l)	Maximum Permis- sible Limit (> 0.05 mgAs/l)	Mean	Avg.	High	Low
Nov. 1/68-Feb. 28/70	45	13	0.011	0.026	0.336	0.000
Nov. 1/68-Feb. 28/69	54	-	0.0097	0.011	0.038	0.001
Nov. 1/69-Feb. 28/70	87	-	0.0072	0.007	0.076	0.000

The above data and attached curves show there is a significant difference in the arsenic concentration in the water between the Nov. 1, 1968 to Feb. 28, 1969 and Nov. 1, 1969 to Feb. 28, 1970 reporting periods. This marked decrease in arsenic concentration is due to the reduced flow of effluent from the Giant Yellowknife Mines tailings pond.

J.W. Grainge
J.W. Grainge, P. Eng.
Regional Engineer

JWSI/es
Encl.

TO	FOR INFO	FOR ACTION	REMARKS	DISPOSAL AND DATE
<i>TH</i>				

c.c. Chief Mining Inspector, D.I.A. & N.D., Ottawa
Public Health Inspector, Yellowknife
Regional Director, M.S.D., Edmonton
Mine Safety Inspector, Yellowknife
Giant Mine Manager, Yellowknife
Chief Engineer, D.I.A. & N.D., Ottawa

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MEDICAL SERVICES
SUB-REGISTRY

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