



Environment
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Environmental
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Protection de
l'Environnement

P.O. Box 2310
Yellowknife, N.W.T.
X0E 1H0

July 29, 1974

Your file Votre référence

Our file Notre référence

4705-37/Ye

4705-37/Gi

Dr. A. O. Uygur, Director
Mackenzie Zone
Northern Region Medical Services
P. O. Box 520
Yellowknife, N.W.T. X0E 1H0

Dear Dr. Uygur:

Further to our letters of June 19 and June 25, 1974, we are in receipt of results from several more analyses for arsenic (total) in waters in and around Yellowknife. Please refer to the attached page for these data.

The analysis of samples taken on eight other days during the months of May and June, 1974, is presently underway, and the results will be delivered to you by Friday, August 2, 1974.

Yours truly,

Ron R. Wallace, Ph.D.
A/District Manager

cc: Dr. P. O'Donoghue
D. Billing
J. J. Eatock
Dr. R. Dawson
D. J. Gee

Encl.

ARSENIC CONCENTRATIONS IN WATERS NEAR YELLOWKNIFE, N.W.T.

LOCATION	<u>DATES (1974)</u>		
	MAY 21	MAY 27	JUNE 10
1. Yellowknife River at Pump House			
(a) Before chlorination	< 0.020	< 0.020	< 0.020
(b) After chlorination	< 0.020	< 0.020	< 0.020
2. Tap Water (Frenchy Bldg.)	< 0.020	< 0.020	< 0.020
3. Yellowknife Bay			
(a) Emergency Well Pumphouse	0.059	0.080	0.063
(b) End of Latham Island	0.062	0.067	0.054
(c) Dock in "Rainbow Valley"	0.064	0.052	0.065
(d) Dock at Weaver & Devore	< 0.020	0.054	0.094
(e) Dock at Giant Mine near mouth of Baker Creek	0.083	0.106	0.098
(f) Giant Mine - offshore at first spill site	4.62	0.139	0.039

NOTE: All readings in mg/l or p.p.m.
 < means "less than"



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P.O. Box 2310
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XOE 1H0

August 2, 1974

Your file Votre référence

Our file Notre référence

4705-37/Ye
4705-37/Gi

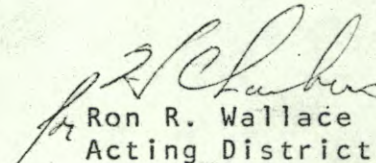
Dr. A. O. Uygur, Director
Mackenzie Zone
Northern Region Medical Services
P. O. Box 520
Yellowknife, N.W.T. XOE 1H0

Dear Dr. Uygur:

Please find attached additional results of analyses for arsenic in waters in and around Yellowknife.

Regretfully, we are not yet in receipt of all the data from this survey. Results from four additional days are yet to be received, but will be forwarded directly to you upon arrival. I would anticipate that this would take place not later than Friday, August 9, 1974.

Yours very truly,


for Ron R. Wallace
Acting District Manager

cc: Dr. P. O'Donoghue
D. Billing
J. J. Eatock
R. Dawson
D. Gee
C.A. Lewis

ARSENIC CONCENTRATIONS IN WATERS NEAR YELLOWKNIFE, N.W.T.

LOCATION	<u>DATES (1974)</u>			
	MAY 6	MAY 9	MAY 23	MAY 30
1. Yellowknife River at Pump House				
(a) Before chlorination	<0.020	<0.020	<0.020	0.023
(b) After chlorination	<0.020	<0.020	<0.020	<0.020
2. Tap Water (Frenchy Bldg.)	<0.020	<0.020	<0.020	<0.020
3. Yellowknife Bay				
(a) Emergency Well Pumphouse	0.056	0.034	0.057	0.064
(b) End of Latham Island	ND	ND	0.074	0.184
(c) Dock in "Rainbow Valley"	ND	ND	0.056	0.067
(d) Dock at Weaver & Devore	ND	ND	0.038	0.141
(e) Dock at Giant Mine near mouth of Baker Creek	ND	ND	0.069	0.152
(f) Giant Mine - offshore at first spill site	ND	ND	1.65	0.095

- NOTES:
- (1) All results are mg/l or p.p.m.
 - (2) (<) means "less than"
 - (3) ND means no sample was collected at the designated station on that date.



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P. O. Box 2310
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X0E 1H0

August 13, 1974

Your file Votre référence

Our file Notre référence

4705-37/Ye
4705-37/Gi

Dr. A. O. Uygur, Director
Mackenzie Zone
Northern Region Medical Services
P. O. Box 520
Yellowknife, N.W.T.

Dear Dr. Uygur:

Further to our letter of August 2, 1974, we are now in receipt of the final results of analyses of waters in and around Yellowknife.

These data are tabulated on the attached page.

Yours very truly,

C. A. Lewis
District Manager

cc: Dr. P. O'Donoghue
D. Billing
J. J. Eatock
Dr. R. Dawson
D. J. Gee
R. R. Wallace

Encl.

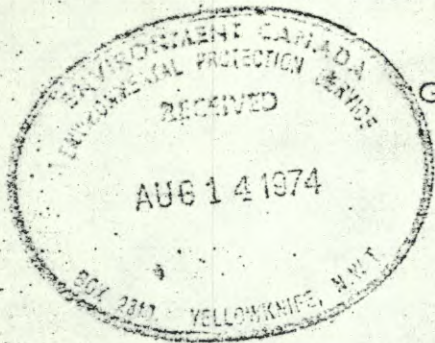
ARSENIC CONCENTRATIONS IN WATERS NEAR YELLOWKNIFE, N.W.T.

LOCATION	DATES (1974)			
	MAY 13	MAY 15	MAY 16	JUNE 3
1. Yellowknife River at Pump House				
(a) Before chlorination	0.030	ND	0.020	<0.020
(b) After chlorination	<0.020	ND	<0.020	<0.020
2. Tap Water (Frenchy Bldg.)	<0.020	ND	<0.020	<0.020
3. Yellowknife Bay				
(a) Emergency Well Pumphouse	0.062	ND	0.024	0.044
(b) End of Latham Island	ND	0.083	0.071	0.130
(c) Dock in "Rainbow Valley"	ND	0.127	0.125	0.198
(d) Dock at Weaver & Devore	ND	0.042	0.028	0.216
(e) Dock at Giant Mine near mouth of Baker Creek	ND	0.047	0.064	0.332
(f) Giant Mine - offshore at first spill site	ND	9.16	8.44	0.233

NOTES: (1) All results are mg/l or p.p.m.

(2) (<) means "less than"

(3) ND means no sample was collected at the designated station on that date.



TELEX 034.4.5514

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

XOE 1HO
CANADA

August 13, 1974.

4705-37/G1

Mr. C. A. Lewis,
District Manager,
Environment Canada,
Tundra Building,
P.O. Box 2310,
YELLOWKNIFE, N.W.T.

Dear Mr. Lewis:

The Giant water averaged 0.027 ppm arsenic during the month of July, 1974. The assays by days are as follows:

July 1	-	0.008	July 17	-	0.074
2	-	0.013	18	-	0.072
3	-	0.008	19	-	0.010
4	-	0.016	20	-	0.040
5	-	0.003	21	-	0.045
6	-	0.003	22	-	0.024
7	-	0.003	23	-	0.029
8	-	0.019	24	-	0.027
9	-	0.003	25	-	0.043
10	-	0.003	26	-	0.029
11	-	0.003	27	-	0.045
12	-	0.008	28	-	0.024
13	-	0.037	29	-	0.032
14	-	0.011	30	-	0.016
15	-	0.093	31	-	0.019

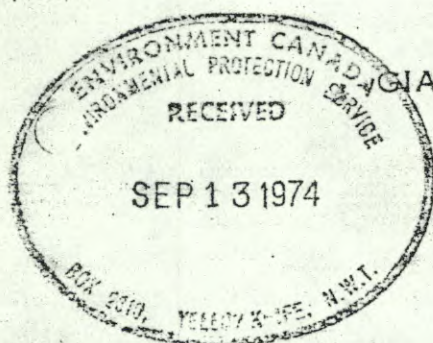
Yours very truly,

GIANT YELLOWKNIFE MINES LIMITED.

A. K. Campbell
A. K. Campbell,
General Superintendent.

AKC*mo's

c.c. M. L. Brown



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

XOE 1HO
CANADA

September 12, 1974. 4705-37/ci

Mr. C. A. Lewis,
District Manager,
Environment Canada,
Tundra Building,
P.O. Box 2310,
YELLOWKNIFE, N.W.T.

Dear Mr. Lewis:

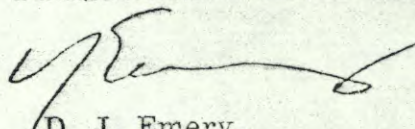
The Giant water averaged 0.019 ppm arsenic during the month of August, 1974. The assays by days are as follows:

August	1	-	0.013
	2	-	0.013
	3	-	0.008
	4	-	0.016
	5	-	0.005
	6	-	0.013
	7	-	0.024
	8	-	0.026
	9	-	0.020
	10	-	0.008
	11	-	0.011
	12	-	0.016
	13	-	0.011
	14	-	0.008
	15	-	0.005

August	16	-	0.021
	17	-	0.040
	18	-	0.016
	19	-	0.043
	20	-	0.024
	21	-	0.019
	23	-	0.035
	24	-	0.008
	25	-	0.013
	26	-	0.016
	27	-	0.021
	28	-	0.013
	29	-	0.019
	30	-	0.043
	31	-	0.048

Yours very truly,

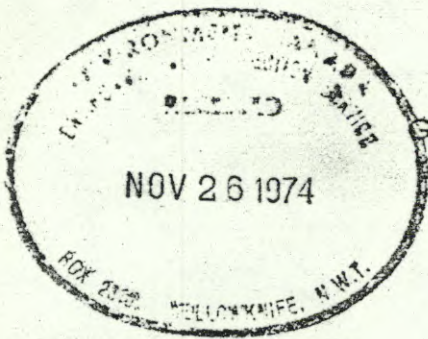
GIANT YELLOWKNIFE MINES LIMITED.


D. J. Emery,
Mine Manager.

DJE*mo's

c.c. M. L. Brown

E. J. Ristan,
Environmental Health Officer,
Health and Welfare Canada,
Box 520,
YELLOWKNIFE, N.W.T.



file

TELEX 034-4-5514

GIANT YELLOWKNIFE MINES LIMITED
YELLOWKNIFE P.O.
NORTHWEST TERRITORIES
CANADA

November 25, 1974.

*Recd
Nov 26 1974
C. A. Lewis*

Mr. C. A. Lewis,
District Manager,
Environment Canada,
Tundra Building,
P.O. Box 2310,
YELLOWKNIFE, N.W.T.

Dear Mr. Lewis:

The Giant water averaged 0.0097 ppm arsenic during the month of October, 1974. The assays by days are as follows:

October	1	-	0.005
	2	-	0.008
	3	-	0.011
	4	-	0.008
	5	-	0.011
	6	-	0.005
	7	-	0.008
	8	-	0.011
	9	-	0.013
	10	-	0.011
	11	-	0.011
	12	-	0.008
	13	-	0.005
	14	-	0.008
	15	-	0.008
	16	-	0.008

October	17	-	0.011
	18	-	0.008
	19	-	0.011
	20	-	0.016
	21	-	0.016
	22	-	0.019
	23	-	0.011
	24	-	0.013
	25	-	0.013
	26	-	0.011
	27	-	0.005
	28	-	0.008
	29	-	0.008
	30	-	0.005
	31	-	0.008

Yours very truly,
GIANT YELLOWKNIFE MINES LIMITED.

D. J. Emery
D. J. Emery,
Mine Manager.

DJE*mb

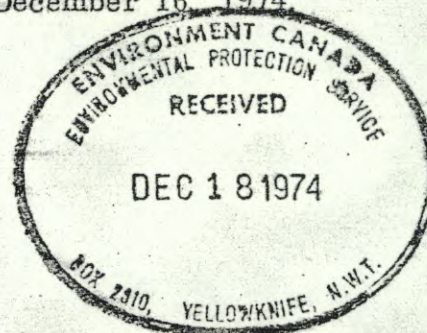
c.c. M. L. Brown

E. J. Ristan,
Environmental Health Officer,
Health and Welfare Canada,
Box 520,
YELLOWKNIFE, N.W.T.

GIANT YELLOWKNIFE MINES LIMITED
YELLOWKNIFE P.O.
NORTHWEST TERRITORIES
CANADA

December 16, 1974.

Mr. C. A. Lewis,
District Manager,
Environment Canada,
Tundra Building,
P. O. Box 2310,
YELLOWKNIFE, N.W.T.



Dear Mr. Lewis:

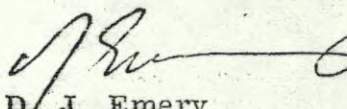
The Giant water assayed 0.008 ppm arsenic during the month of November, 1974. The assays by days are as follows:

November	2	-	0.005
	3	-	0.003
	4	-	0.005
	5	-	0.005
	6	-	0.008
	7	-	0.008
	8	-	0.005
	9	-	0.011
	10	-	0.011
	11	-	0.008
	12	-	0.011
	13	-	0.005
	14	-	0.005
	15	-	0.008
	16	-	0.008

November	17	-	0.005
	18	-	0.008
	19	-	0.008
	20	-	0.008
	21	-	0.008
	22	-	0.011
	23	-	0.011
	24	-	0.013
	25	-	0.013
	26	-	0.011
	27	-	0.011
	28	-	0.008
	29	-	0.008
	30	-	0.011

Yours very truly,

GIANT YELLOWKNIFE MINES LIMITED.


D. J. Emery,
Mine Manager.

DJE*mb

c.c. M. L. Brown

E. J. Ristan,
Environmental Health Officer,
Health and Welfare Canada,
Box 520,
YELLOWKNIFE, N.W.T.