



ACTION REQUEST FICHE DE SERVICE

FILE NO. — DOSSIER N°

TO — À

Dr. W. H. Frost,

DATE

August 26, 1969

LOCATION — ENDROIT

Senior Medical Advisor, Indian Health &
Northern Health, Room 774, Brooke Claxton Bldg.

FROM — DE

Chief, Public Health Engineering Division.

- ☐ ACTION
DONNER SUITE
- ☐ APPROVAL
APPROBATION
- ☐ COMMENTS
COMMENTAIRES
- ☐ DRAFT REPLY
PROJET DE RÉPONSE
- ☐ MAKE
FAIRE.....COPIES
- ☐ NOTE AND FILE
NOTER ET CLASSER
- ☐ NOTE & RETURN/OR FORWARD
NOTER ET RETOURNER/OU FAIRE SUIVRE

- ☐ P. A. ON FILE
CLASSER
- ☐ REPLY
RÉPONSE
- ☐ SEE ME
ME VOIR
- ☐ SIGNATURE
- ☐ TRANSLATION
TRADUCTION
- ☐ YOUR REQUEST
À VOTRE DEMANDE
- ☐ _____

For your information.

R. E. Tait, P. Eng.

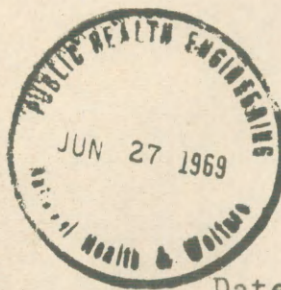
0 4 9 2 3 1

MEDICAL SERVICES
SUB-REGISTRY

AUG 27 10 06 AM '69

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

To: Mr. J.W. Grainge, P. Eng.,
Regional Engineer,
Edmonton, Alta.



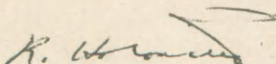
Date: June 25, 1969

From: Mr. R. Holowaty,
Vancouver, B. C.

Re: Yellowknife, N.W.T. - Chemical Analysis
Health Survey

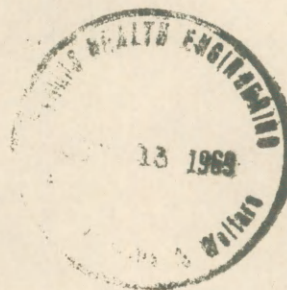
<u>Date Sampled</u>	<u>Location</u>	<u>Arsenic(AS)mg/L</u>
4-6-69	Con Tap	0.060 ←
4-6-69	Giant Tap	0.056 ←
4-6-69	Giant Above Intake	0.036
4-6-69	Latham Island North End	0.180
4-6-69	Correctional Camp	0.004
4-6-69	Latham Island at Bridge	0.064
4-6-69	Mouth of Baker Creek	0.910 ←
4-6-69	Baker Creek above Tailings	0.088
4-6-69	Baker Creek above Mill Effluent	1.250
4-6-69	Giant Tailings Dam Overflow	23.700
May 20, 1969	Indian Village	0.032
May 26, 1969	Indian Village Shore Line	0.044
June 2, 1969	Indian Village Shore Line	0.038

Received in Lab: June 19, 1969


R. Holowaty
Chemist

c.c. ✓ Acting Chief, PHE, Ottawa
Chief Mining Inspector, Dept. of IA&ND, Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife Health Center, Yellowknife
Mine Safety Inspector, Dept. IA&ND, Yellowknife
Mine Manager, Giant Yellowknife Mines Ltd., Yellowknife

To: Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.



Date: June 11, 1969

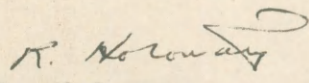
From: Mr. R. Holowaty,
Vancouver, B. C.

Subject: Yellowknife N.W.T. - Chemical Analysis
Health Survey

<u>Location</u>	<u>Arsenic (As), mg/L</u>
Con Mine Tap	0.060
Giant Mine Tap	0.012
Above Intake At Giant	0.018
Town Tap Yellowknife	0.044
Latham Island North End	0.100
Correctional Camp	0.004
Latham Island at Bridge	0.072
Mouth of Baker Creek	1.740
Giant Mine Tailings Pond Effluent	22.600

Date Sampled: May 30, 1969

Date Received: June 9, 1969


R. Holowaty
Chemist

c.c.

Acting Chief, Public Health Engrg, Ottawa (2)
Chief Mining Inspector, Dept. of IA&ND, Ottawa
Chief, Occupational Health Div., DNHE&W, Ottawa
Public Health Inspector, Yellowknife Health Center, Yellowknife
Mine Safety Inspector, Dept. IA&ND, Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife



368-1-42
JA



Memorandum
For Use Within The Company Only

To **Superintendent, Con Operations (AJR)**
(Use Title if Possible)
From **Mill Superintendent, Con (RJJ)**
(Use Title if Possible)
Subject **Arsenic Scrubber Data**

Date **June 9, 1969**
File No.
Reference

The following figures are applicable for the month of May:

Arsenic Scrubber Recovery	89.04 ←
Arsenic discharge to atmosphere	282 lbs./Day
Total amount of arsenic in slurry discharge to storage	2,292 lbs./Day

RJJ/ad

**cc - Mining Inspector (h) /
Safety Officer, Con
File**

Signed *[Signature]*

MEMORANDUM



TO: Mr. J.W. Grainge,
Regional Engineer,
Edmonton, Alta.

FROM: Mr. R. Holowaty
Vancouver, B. C.

Date: May 27, 1969

Subject: Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Date</u>	<u>Arsenic (As)</u> <u>mg/l</u>
Con	May 16, 1969	0.046
Giant	May 16, 1969	0.034
Town	May 16, 1969	0.010
Correctional Camp	May 16, 1969	0.002
Con	May 21, 1969	0.076
Town	May 21, 1969	0.062
Giant	May 21, 1969	0.022
Correctional Camp	May 21, 1969	0.002
Indian Village Surface	May 5, 1969	0.004
Latham Island at Bridge	May 21, 1969	0.062
Giant Above Intake	May 21, 1969	0.022
Indian Village	May 12, 1969	0.016
Latham Island North End	May 21, 1969	0.124
Mouth of Baker Creek	May 12, 1969	1.150
Giant Tails	May 21, 1969	18.000
Giant Tails (filtered)	May 21, 1969	15.500

Date Received: May 23, 1969

R. Holowaty
Chemist

c.c. ✓ Acting Chief, Public Health Engrg., Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Chief Mining Inspector, DIAND, Ottawa
Public Health Inspector, Yellowknife Health Centre, Yellowknife
Mine Safety Inspector, IA and ND, Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife

MEMORANDUM

To: Mr. J. W. Grainge,
Public Health Engineering,
Department of National Health
& Welfare,
Edmonton, Alta.



Date: May 13, 1969

From: Mr. R. Holowaty,
Public Health Engineering,
Vancouver, B. C.

Subject: Yellowknife, N.W.T. - Chemical Analysis

<u>Date Sampled</u>	<u>Location</u>	<u>Arsenic (As) mg/l</u>
April 30, 1969	Con	0.034
April 30, 1969	Town	0.012
April 30, 1969	Giant	0.060
April 30, 1969	Correctional Camp	0.002
April 28, 1969	Indian Village Water Hole	0.016
April 28, 1969	Indian Village Surface	0.074
May 5, 1969	Con	? 0.360
May 5, 1969	Town	0.016
May 5, 1969	Giant	? 0.540
May 5, 1969	Correctional Camp	0.002
April 30, 1969	Mouth of Baker Creek	4.850
April 30, 1969	Mouth of Baker Creek (Filtered)	4.600
May 5, 1969	Mouth of Baker Creek	5.000
May 5, 1969	Mouth of Baker Creek (Filtered)	4.800
April 30, 1969	Giant Tailings Pond	86.000
April 30, 1969	Giant Tailings Pond (Filtered)	14.000
May 5, 1969	Giant Tailings Pond	74.000
May 5, 1969	Giant Tailings Pond (Filtered)	13.000

Date Received: May 12, 1969

R. Holowaty
R. Holowaty,
Chemist

c.c. ✓ Chief, Public Health Engrs., Ottawa
Chief Mining Inspector, Dept. of IA&ND, Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife Health Centre, Yellowknife
Mine Safety Inspector, Dept. IA&ND., Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife



PA
368-1-42

To **Superintendent, Con Operations (A.R.)**
(Use Title if Possible)

Date **May 13, 1969**

From **Mill Superintendent, Con (RJJ)**
(Use Title if Possible)

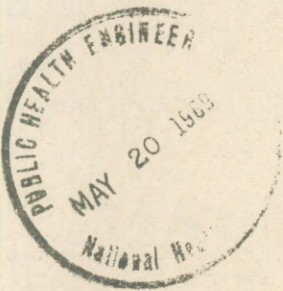
File No.

Subject **Arsenic Scrubber Data**

Reference

The following figures are applicable for the month of April:

Arsenic Scrubber Recovery	93.73
Arsenic discharge to atmosphere	220 lbs./day
Total amount of arsenic in slurry discharge to storage	3,289 lbs./day



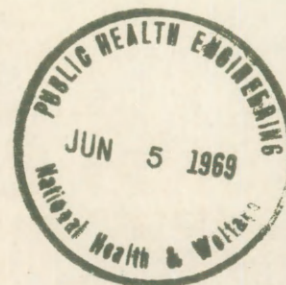
RJJ/ad

**cc - Mining Inspector (h)
Safety Officer, Con
File**

Signed

James R. J.

Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.



Mr. R. Holowaty
Vancouver, B. C.

April 30, 1969

Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Arsenic (As), m</u>
Con Mines Tap	0.033
Town of Yellowknife	0.027
Indian Village	0.028
Jackfish Lake	0.146
Giant Mine Tap	0.016
Correctional Camp	0.006
Giant Tailings Dam (Unfiltered)	60.400
Giant Tailings Dam (Filtered)	25.800

Date Sampled: April 21, 1969

Date Received: April 25, 1969

R. Holowaty
R. Holowaty,
Chemist

c.c. ✓ Acting Chief, Public Health Engineering Division, Ottawa
Chief Mining Inspector, Dept. of IA&ND, Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife Health Centre, Yellowknife
Mine Safety Inspector, Dept. IA&ND, Yellowknife
Mining Manager, Giant Yellowknife Mines, Yellowknife

Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.



April 30, 1969

Mr. R. Holowaty,
Vancouver, B. C.

Yellowknife, N.W.T. - Chemical Analysis

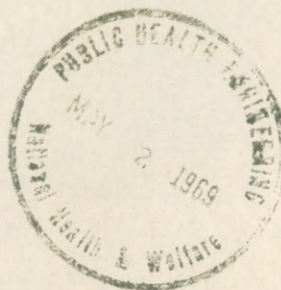
<u>Location</u>	<u>Arsenic (As), mg/l</u>
Con Mines Tap	0.033
Town of Yellowknife	0.027
Indian Village	0.028
Jackfish Lake	0.146
Giant Mine Tap	0.016
Correctional Camp	0.006
Giant Tailings Dam (Unfiltered)	60.400
Giant Tailings Dam (Filtered)	25.800

Date Sampled: April 4, 1969
Date Received: April 25, 1969

R. Holowaty
R. Holowaty,
Chemist

- c.c. Acting Chief, Public Health Engineering Division, Ottawa
- Chief Mining Inspector, Dept. of IA&ND, Ottawa
- Chief, Occupational Health Division, DNHS&W, Ottawa
- Public Health Inspector, Yellowknife Health Centre, Yellowknife
- Mine Safety Inspector, Dept. IA&ND, Yellowknife
- Mine Manager, Giant Yellowknife Mines, Yellowknife

Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.



Mr. R. Holowaty,
Vancouver

April 30, 1969

Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Arsenic (As) mg/l</u>
Yellowknife, N.W.T.	0.022
Giant Mine Tap	0.010
Indian Village	0.004
Con Mine	0.010
Correctional Camp	0.003
Mouth Baker Creek (Filtered)	5.250
Mouth Baker Creek (Unfiltered)	6.450
Giant Tailings Pond (Unfiltered)	10.800
Giant Tailings Pond (Filtered)	10.200

Date Sampled: April 18, 1969
Date Received: April 22, 1969

R. Holowaty
R. Holowaty
Chemist

✓ Chief, Public Health Eng. Division, Ottawa
Chief Mining Inspector, Dept. of IA&ND, Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife Health Center, Yellowknife
Mine Safety Inspector, Dept. IA&ND, Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife

Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.



368-1-92
JA

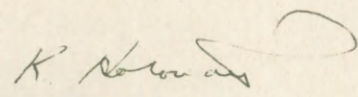
Mr. R. Holowaty,
Vancouver, B. C.

April 22, 1969

Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Date</u>	<u>Arsenic (As), mg/L</u>
Con Tap	14/4/69	0.014
Giant Tap	3/28/69	0.014
Giant Tap	14/4/69	0.004
Town Tap	14/4/69	0.012
Yellowknife Town Tap	3/31/69	0.008
Yellowknife Town Tap	3/28/69	0.008
Correctional Camp	14/4/69	less 0.002
Con Mine Tap	3/28/69	0.012
Indian Village	3/28/69	0.006
Indian Village	3/31/69	0.004
Correctional Camp	3/28/69	0.005

Date Received: April 18, 1969


R. Holowaty
Chemist

c.c. Chief, Public Health Eng., Ottawa
Chief Mining Inspector, Dept. IA & ND., Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife Health Center, Yellowknife
Mine Safety Inspector, Dept. of IA & ND, Yellowknife
Mine Manager, Giant Yellowknife Mines Ltd, Yellowknife

MEMORANDUM

CLASSIFICATION

368-1-4



TO
A

Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.

YOUR FILE No.
Votre dossier

OUR FILE No.
Notre dossier

FROM
De

Mr. R. Holowaty,
Vancouver, B. C.

DATE March 24, 1969

FOLD

SUBJECT
Sujet

Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Date Sampled</u>	<u>Arsenic (As), mg/l</u>
Con Tap	March 6, 1969	0.002
Town	March 5, 1969	0.006
Giant	March 5, 1969	0.003
Correctional Camp	March 5, 1969	0.002
Indian Village		0.002
Joffiff Island	March 5, 1969	0.003
Town Tap	March 6, 1969	0.004
Town Tap	March 8, 1969	0.004

Date Received: March 7, 1969

Brachnaw for
R. Holowaty,
Chemist

c.c. ✓ Acting Chief, Public Health Eng. Div., Ottawa
Chief Mining Inspector, Dept. IA & ND, Ottawa
Chief, Occupational Health Division, DNH&W, Ottawa
Public Health Inspector, Yellowknife
Mine Safety Inspector, Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife

RLH

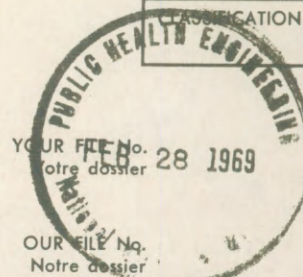
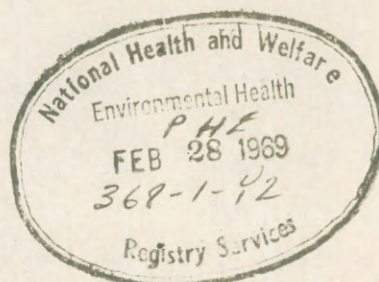




TO
A

MEMORANDUM

**Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.**



**Mr. R. Holowaty,
Vancouver, B. C.**

February 26, 1969
DATE

FROM
De

FOLD

SUBJECT
Sujet

Yellowknife, N.W.T. - Chemical Analysis

<u>Date Sampled</u>	<u>Location</u>	<u>Arsenic(As), mg/l</u>
Jan. 28, 1969	Con	0.003
"	Giant	0.001
"	Town	0.002
"	Correctional Camp	0.001
Jan. 28, 1969	Indian Village	0.001
Feb. 14, 1969	Con	0.006
"	Giant	0.002
"	Town	0.006
"	Correctional Camp	0.001
"	Indian Village	0.003

Received in Laboratory: February 21, 1969

R. Holowaty
**R. Holowaty,
Chemist**

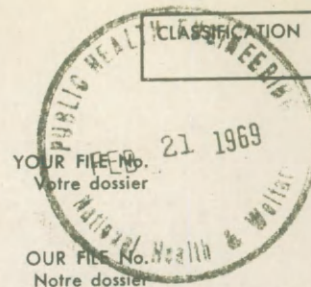
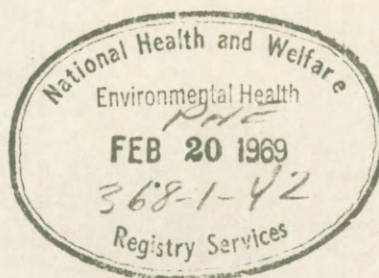
**c.c. Chief, Public Health Engrg., Ottawa
Chief Mining Inspector, Dept. of Indian Affairs, Ottawa
Chief, Occupational Health Division, Ottawa
Public Health Inspector, Yellowknife
Mine Safety Inspector, Dept. of Indian Affairs, Yellowknife
Mine Manager, Giant Yellowknife Mines, Yellowknife**



TO
A

MEMORANDUM

**Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.**



FROM
De

**Mr. R. Holowaty,
Vancouver, B. C.**

DATE **Feb. 17, 1969**

FOLD

SUBJECT
Sujet

Yellowknife, N.W.T. - Chemical Analysis

<u>Location</u>	<u>Date Sampled</u>	<u>Arsenic (As), mg/l</u>
Con	Dec. 23/69	0.004
Giant	Dec. 23/69	0.010
Town	Dec. 23/69	0.012
Indian Village	Dec. 23/69	0.006
Correctional Camp	Dec. 23/69	0.004
Con	Dec. 23/69	0.004
Giant	Jan. 24/69	0.007
Town	Jan. 24/69	0.006
Indian Village	Jan. 24/69	0.006
Correctional Camp	Jan. 24/69	0.003
Town	Jan. 24/69	0.003
	Feb. 4/69	0.006

Date Received: February 10, 1969

R. Holowaty
**R. Holowaty
Chemist**

c.c. ✓ Chief, Public Health Engineering, Ottawa
 Chief, Occupational Health Division, D.N.H.&W, Ottawa
 Chief Mining Inspector, Dept. of Indian Affairs, Ottawa
 Public Health Inspector, Yellowknife Health Centre, Yellowknife
 Mine Safety Inspector, Dept. of Indian Affairs, Yellowknife
 Mine Manager, Giant Yellowknife Mines, Yellowknife

RET 2/2/69

368-1-42

MEMORANDUM

CLASSIFICATION

TO
A
Mr. J. W. Grainge,
Regional Engineer,
Edmonton, Alta.

YOUR FILE No.
Votre dossier

OUR FILE No.
Notre dossier

FROM
De
Mr. R. Holowaty,
Vancouver, B.C.

DATE February 4, 1969

FOLD

SUBJECT
Sujet

Yellowknife, N.W.T. Arsenic Survey - Chemical Analysis

<u>Date Sampled</u>	<u>Con</u>	<u>Giant</u>	<u>Town</u>	<u>Correctional Camp</u>	<u>Indian Village</u>
Dec. 24/68	0.001	0.004	0.006	0.001	0.005
Dec. 27/68	0.010	0.006	0.006	0.001	0.002
Dec. 28/68	0.010	0.002	0.004	0.004	0.006
Dec. 30/68	0.001	0.006	0.006	0.003	0.004
Dec. 31/68	0.002	0.004	0.002	0.002	0.003
Jan. 2/69	0.006	0.004	0.003	0.003	0.012
Jan. 3/69	0.012	0.003	0.003	0.002	0.002
Jan. 6/69	0.006	0.002	0.006	0.003	0.001

Note: Arsenic (As) reported in milligrams per litre

Received in Lab: January 27, 1969

RH/w

R. Holowaty, *R. Holowaty*
Chemist

c.c. Chief, PHE, Ottawa, Chief Mining Insp., Dep t. of Indian Affairs, Ottawa
Chief, Occupational Health Division, D.N.H.&W, Ottawa,
Public Health Inspector, Yellowknife, Mine Safety Insp., Dept of
Indian Affairs, Yellowknife, Mine Manager, Giant Yellowknife Mines,
Yellowknife.