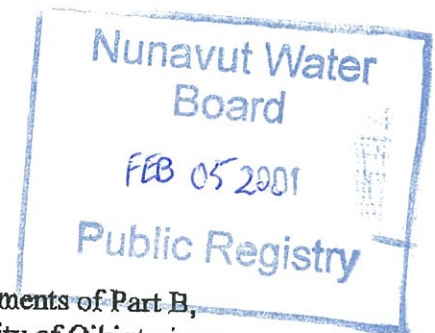
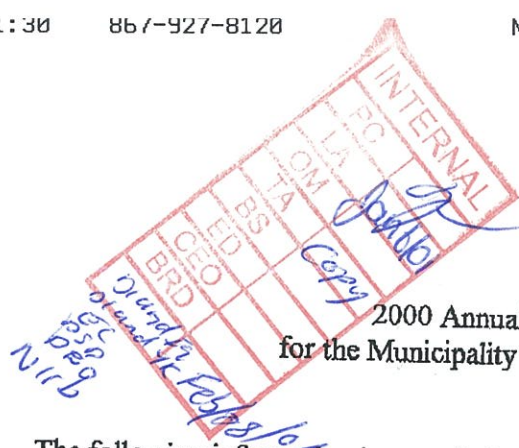




1. The following information is compiled pursuant to the requirements of Part B, Item 1, of Water Licence NWBB3QIK0106, issued to the Municipality of Qikiqtarjuaq (Broughton Island).

b), c), The monthly and annual quantity, in cubic metres, of water pumped from the Tulugak River or reservoir and the monthly and annual quantity of waste discharged to the sewage disposal facilities (including quantity of bagged sewage).

> Also fulfils SNP (Part B, Item 1 a, Item 2, & Schedule I C 1 & 2)

Month being reported	Water pumped from Tulugak River or reservoir (in m ³)	Sewage disposed of at the sewage disposal facility (approximate amt as sewage not metered)	Amount of bagged sewage disposed of at the sewage disposal facility (# of bags)
January	1,424	1,424	6
February	1,439	1,439	8
March	1,555	1,555	10
April	1,116	1,116	11
May	1,248	1,248	9
June	1,150	1,150	5
July	1,280	1,280	10
August	1,451	1,451	7
September	1,370	1,370	8
October	1,402	1,402	7
November	1,300	1,300	15
December	1,355	1,355	12
Annual Total	16,090	16,090	108

Note: 1 m³ equals 1000 litres

- d) No Sewage Solids removed from the lagoon
- e) A detailed record of major maintenance work carried out on the water supply and waste disposal facilities:

Started digging trench in Reservoir wall in order to install new drainpipe (two-year project).

f) Unauthorised discharges:

See attached Spill Report.

g) A description of any abandonment and restoration work carried out at areas where water supply or waste disposal facilities have been abandoned.

None

h) Any summary on any water use or waste disposal studies requested by the Board.

No requests made.

i) Updates or revisions to Operation and Maintenance Plans:

None

j) Any other details requested by the Board by November 1st:

No requests made

Item 5.

All SNP signs have been posted and inspected by INAC's WRO.

Item 6.

All location signs have been posted and inspected by INAC's WRO.

Item 7

Report all Spills

➤ One waste oil spill reported January 12, 2001.

Item 8

Water Licence is maintained at Municipal Office.

Part D, Item 2

See attached Lab analysis.

Part H, Item 1.

A & R plan from Old DumpSite Clean Up (already completed) was submitted February 1, 2001 to the NWB.

cc Philippe Lavallee, WRO, INAC fax to 867 979 6445
Doug Sitland, CG&T fax to 867 975 5330

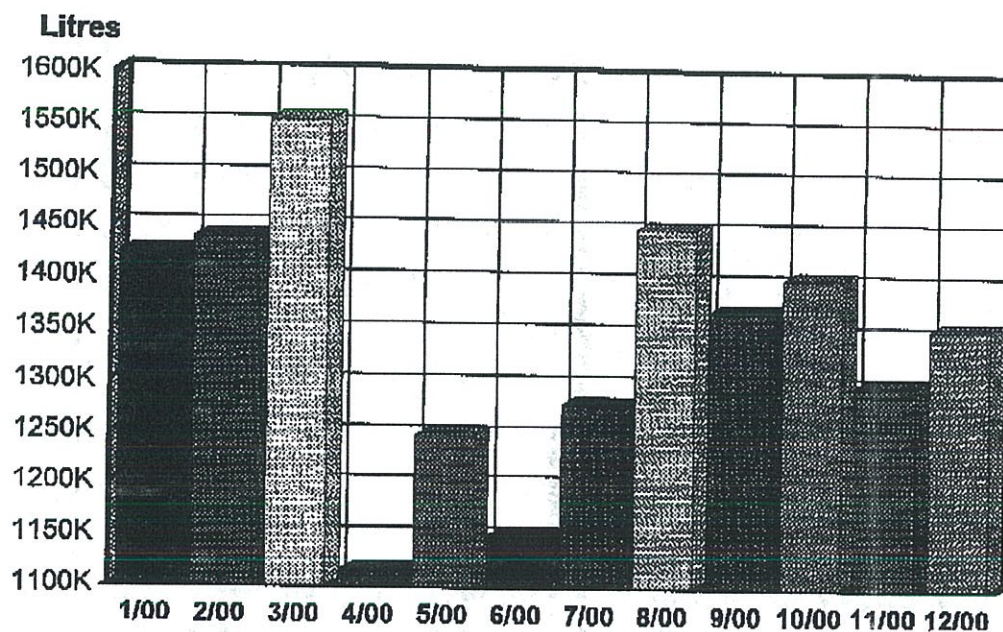
YTD Water Consumption

Municipality of Qikiqtarjuaq

For the Date Range: From: Jan-01-2000 To: Dec-31-2000

Printed On Feb 02 2001 At: 4:10:34 PM

Page: 1



YTD Water Consumption - Details

<u>Date</u>	<u>Quantity</u>
January	1,424,351
February	1,439,123
March	1,555,284
April	1,116,156
May	1,248,006
June	1,149,666
July	1,279,589
August	1,450,864
September	1,370,162
October	1,402,400
November	1,300,092

YTD Water Consumption - Details

<u>Date</u>	<u>Quantity</u>
December	1,355,073
Grand Total	16,090,765.70

174521 571 7 174

JUN 12 '64 2:04 PM

20-How Report Line
24- How Date Reported by Police
Phone Number of Person Reporting
FBI File # (if known) or Case #

A Name and address of person reporting 12/01 11:00 AM		B Date and time of spill or release 12/01 11:00 AM		C Name and address of responsible party 01-008	
D Location of spill or release (road, river, etc.) Municipal dump W. of Highway 11. ANDAM					
E Name of responsible party NERC / Municipality					
F Material spilled and quantity waste oil 40 gallons.					
G Cause of spill leak in burn barrel.					
H Name and address of person receiving material 12/01 11:00 AM		I Name and address of person receiving material 12/01 11:00 AM		J Name and address of person receiving material 12/01 11:00 AM	
K Name and address of person receiving material 12/01 11:00 AM					
L Name and address of person receiving material frozen ground					
M Name and address of person receiving material non at this point.					
N Name and address of person receiving material non at this point.					
O Name and address of person receiving material 12/01 11:00 AM					
P Name and address of person receiving material 12/01 11:00 AM					
Q Name and address of person receiving material 12/01 11:00 AM					
R Name and address of person receiving material 12/01 11:00 AM					
S Name and address of person receiving material 12/01 11:00 AM					
T Name and address of person receiving material 12/01 11:00 AM					
U Name and address of person receiving material 12/01 11:00 AM					
V Name and address of person receiving material 12/01 11:00 AM					
W Name and address of person receiving material 12/01 11:00 AM					
X Name and address of person receiving material 12/01 11:00 AM					
Y Name and address of person receiving material 12/01 11:00 AM					
Z Name and address of person receiving material 12/01 11:00 AM					

Dept. Indian Affairs & Northern Development
4601-52 nd Ave., Box 1500
Yellowknife, NT, X1A 2R3
Tel. (867) 669-2788
Fax: (867) 669-2718

Operations Directorate, DIAND
BOX 100

IQALUIT

XOA 0H0

Att'n: Philippe Lavallee

LAB# 201709

SAMPLE INFORMATION

Our Lab#: 201709
Your Sample ID: 0640-6 lagoon discharge
Sample Matrix: sewage

PROJECT:

RECEIVED

8 OCT 17 2000

D.I.A.N.D.
IQALUIT NT

Collection:

Received Date: 8/23/00

Location: Qikiqtarjuaq lagoon

Report Date: 29-Sep-00

Date: 8/22/00

Approved By: W. Lavallee

By: Philippe Lavallee

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
201709	Calcium	5.56	mg/L	0.05	8/28/2000	EC20003
	Magnesium	2.80	mg/L	0.01	8/28/2000	012102
	Tot-Hardness	25.4	mg/L	0.17	8/28/2000	010602
	Sodium	71.9	mg/L	0.02	8/28/2000	011102
	Potassium	18.3	mg/L	0.03	8/28/2000	EC19102
	Chloride	49.6	mg/L	0.2	8/29/2000	17206
	Sulphate	4	mg/L	3	8/30/2000	016306
	Tot-Suspended-Solids	73	mg/L	3	8/29/2000	EC10406
	NO3-N+NO2-N	0.187	mg/L	0.008	9/15/2000	07110
	Ammonia-N	66.5	mg/L	0.005	9/06/2000	EC7557
	Ortho-Phosphorous	8.95	mg/L	0.002	9/09/2000	015259
	Bio-Oxy-Demand	154	mg/L	2	8/24/2000	08208
	Faecal Coliform	250000	CFU/dL	1	8/23/2000	036014

YUKON ENVIRONMENTAL LABORATORY

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2738

Fax: (867) 669-2718

YUKON TERRITORY

Operations Directorate, DIAND

BOX 100

IQALUIT

X0A 0H0

Att'n: Philippe Lavallee

LAB# 201709

Tot-Cadmium(ICP-MS)	0.3	ug/L	0.3	8/25/2000	ICP-MS
Tot-Cobalt(ICP-MS)	< 1	ug/L	1	8/25/2000	ICP-MS
Tot-Chromium(ICP-MS)	4	ug/L	3	8/25/2000	ICP-MS
Tot-Copper(ICP/MS)	72	ug/L	2	8/25/2000	ICP-MS
Tot-Iron(AA)	1.24	mg/L	0.03	8/30/2000	ICP-MS
Tot-Manganese(ICP-MS)	44	ug/L	1	8/25/2000	ICP-MS
Tot-Nickel(ICP-MS)	4	ug/L	1	8/25/2000	ICP-MS
Tot-Lead(ICP-MS)	5	ug/L	1	8/25/2000	ICP-MS
Tot-Zinc(ICP-MS)	96	ug/L	10	8/25/2000	ICP-MS
Tot-Aluminium(ICP-MS)	858	ug/L	30	8/25/2000	EPA 200.8
Phenols	NA no bottle	ug/L	2.00	9/20/2000	006536
Oil&Grease	10.9	mg/L	0.2	8/30/2000	006524

Field Data (00/08/22) 0640-6

Temperature: 7.0 °C

Conductivity: 896 µS

pH: 7.8

Time: 13:54

MICROBIAL DATA SHEET
Basic Test

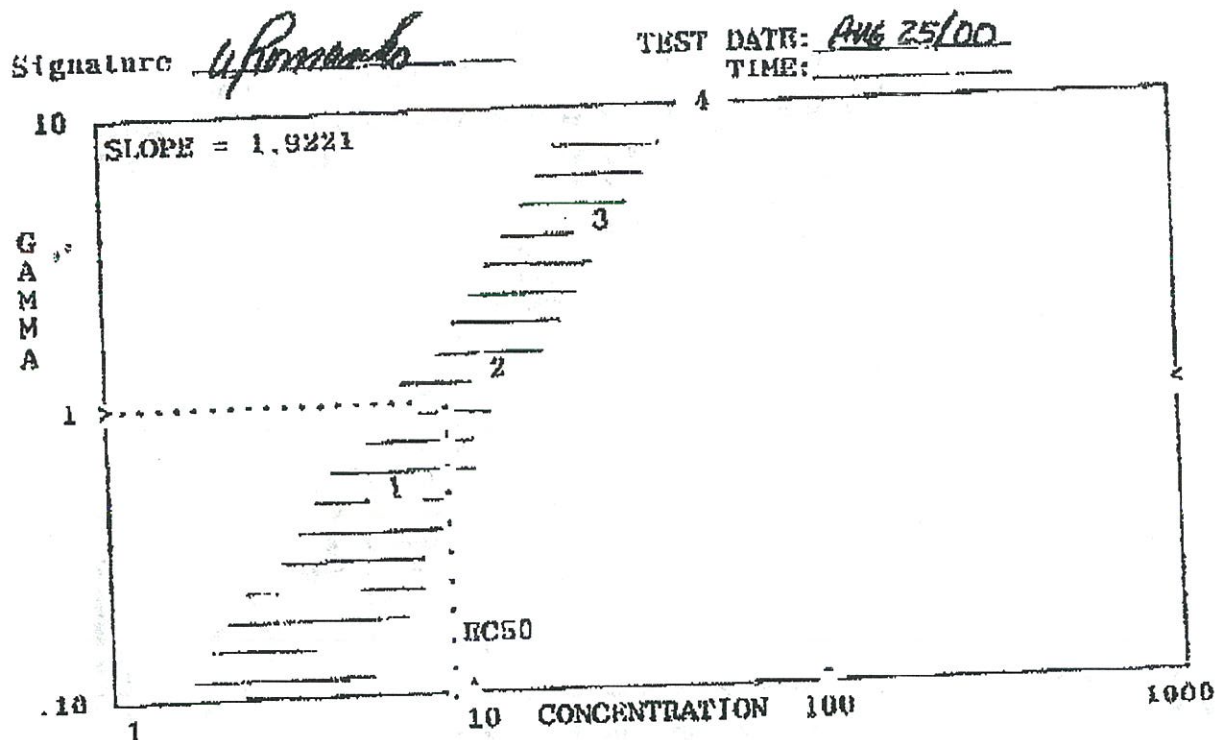
FILE: 00082503.K15
Qikiqtarjung Sewage Runoff sample 0640-8 - collected Aug 25/00
@ 13:45
Test Time: 15 minutes
Osmotic Adjustment: OAS

NUMBER	IO/IT	CONC.	CR/GAMMA	% EFFECT
Control	95.01/ 73.64	0.0	0.7751 #	
1	90.21/ 44.97	5.8200	0.555 #	35.7
2	97.02/ 33.42	11.2500	1.264 #	55.8
3	101.71/ 15.78	22.5000	3.996 #	80.0
4	94.74/ 2.22	45.0000	32.077 #	97.0

CR = Control Ratio
// Used for calculations

CORRECTION FACTOR = 0.7751

EC50 9.097 % (95% CONFIDENCE RANGE: 4.897 TO 16.899)



ESTIMATING EQUATION: $\text{LOG } C = 0.4970 \times \text{LOG } \Gamma + 0.9589$
95% CONFIDENCE FACTOR: 1.85758 FOR EC50
COEFFICIENT OF DETERMINATION: $R^2 = 0.95534$

PH 7.2

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Operations Directorate, DIAND
BOX 100

IQALUIT

X0A 0H0

Att'n: Philippe Lavallee

LAB# 201710

SAMPLE INFORMATION

Our Lab#: 201710
Your Sample ID: runoff from reclaimed dump
Sample Matrix: sewage

PROJECT:

RECEIVED

9 OCT 11 2000

D.I.A.N.D.

IQALUIT, NT

Collection:

Received Date: 8/23/00

Location: Qūciqtarjuaq abandoné

Report Date: 11-Sep-00

Date: 8/22/00

Approved By: W. Wood

By: Philippe Lavallee

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
201710	Tot-Suspended-Solids	< 3	mg/L	3	8/29/2000	EC10406
	Ammonia-N	< 0.005	mg/L	0.005	9/06/2000	EC7557
	Total Arsenic(w)-GFAA	< 1	ug/L	1	9/06/2000	GFAA
	Tot-Cadmium(ICP-MS)	< 0.3	ug/L	0.3	8/25/2000	ICP-MS
	Tot-Cobalt(ICP-MS)	< 1	ug/L	1	8/25/2000	ICP-MS
	Tot-Chromium(ICP-MS)	< 3	ug/L	3	8/25/2000	ICP-MS
	Tot-Copper(ICP/MS)	< 2	ug/L	2	8/25/2000	ICP-MS
	Tot-Iron(AA)	0.57	mg/L	0.03	8/30/2000	ICP-MS
	Tot-Manganese(ICP-MS)	11	ug/L	1	8/25/2000	ICP-MS
	Tot-Nickel(ICP-MS)	< 1	ug/L	1	8/25/2000	ICP-MS
	Tot-Lead(ICP-MS)	< 1	ug/L	1	8/25/2000	ICP-MS
	Tot-Zinc(ICP-MS)	10	ug/L	10	8/25/2000	ICP-MS
	Tot-Mercury(water)	< 0.01	ug/L	0.01	9/08/2000	080314

Field Data (00/08/22) Dump @ beach

Temperature: 14.5 °C

Conductivity: 104 µS

pH: 8.3

Time: 15:40

131

Basic Test

FILE: 00082504.K15

Qikigtarjuag Dump Leachate sample 0040-7 - collected Aug 22/00

@ 15:35

Test Time: 15 minutes

Osmotic Adjustment: OAS

NUMBER	IO/IT	CONC.	CR/GAMMA	% EFFECT
Control	94.60/ 86.57	0.0	0.9151 #	
1	102.31/ 79.97	5.6250	0.171 #	14.6
2	98.75/ 70.10	11.2500	0.186 #	15.7
3	98.72/ 78.87	22.5000	0.145 #	12.7
4	102.41/ 76.45	45.0000	0.226 #	18.4

CR = Control Ratio
Used for calculations

CORRECTION FACTOR = 0.9151

EC50 IS GREATER THAN HIGHEST CONCENTRATION

PH 6.6