MUNICIPALITY OF IQALUIT

ᓄᓇᓕᖕᓂ ᒐᕙᒪᖓᑦ ᐃᖃᓗᐃᑦ

April 18, 2000

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NT
X0E 1J0

Re: Water Licence Sampling Requirements 1999

To whom it May Concern;

Please find attached all sampling results and requested information as per the requirements set out in Water Licence # N5L3-00870, 1999. Please also note that **all SNP sites were frozen in November.**

Should you have any questions please do not hesitate to call.

Sincerely;

Paul Fraser
Acting Senior Administrative Officer

INTERNAL
PC
LA
OM
TA Copy
BS
ED
CEO
BRD
DIAND May 1/00
EC
DSO

NUNAVUT WATER BOARD
APR 2 8 2000
PUBLIC REGISTRY

P.O. BOX 460 • IQALUIT, N.W.T. X0A 0H0 • TEL: (867) 979-5600 • FAX: (867) 979-5922
ᑎᑎᖅᑲᒃᑯᕕᒃ 460 • ᐃᖃᓗᐃᑦ, ᓄᓇᑦᓯᐊᕐᒥ X0A 0H0 • ᐅᖄᓚᐅᑦ: (867) 979-5600 • ᓱᑲᑦᑐᒃᑯᑦ: (867) 979-5922

HEALTH BOARD REPORTS
JANUARY - DECEMBER 1999

ᑭᑭᖅᑖᓗᖓ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔨᑦ

Baffin Regional Health Services

To: Municipality Of Iqaluit
Rock Burton

Date: 21 01 99

Sample Date: 20 01 99

Lab Date: 20 01 99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
Truck # 48	0	Yes	
" # 50	0	Yes	
" # 60	0	Yes	
Raw	BCG	Yes	
Treated	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Nicole Ritchie

Environmental Health Officer

cc:

MACA - Michele Burton
DIAND - Paul Smith
SAO - John Raycroft

ᑭᑭᖅᑖᓗᒻᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔩᑦ

MAR 16 1999

Baffin Regional Health Services

To: Rock Burton
Municipality of Iqaluit

Date: 25/02/99
Sample Date: 24/02/99
Lab Date: 24/02/99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
Water Truck #46	0	Yes	
Water Truck #48	0	Yes	
Water Truck # 50	0	Yes	
Water Treatment Plant - Raw	10+BGG	Yes	
Water Treatment Plant - Finished	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Bonnie Siegel

Environmental Health Officer

cc: John Raycroft - Town Manager.
Michele Bertol - MACA
Paul Smith - DIAND

ᕿᑭᖅᑖᓗᕐᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔨᑦ
Baffin Regional Health Services

To: Rock Burton
Municipality of Iqaluit

Date: 26/3/99
Sample Date: 25/3/99
Lab Date: 25/3/99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
Water Treatment Plant - Treated	0	Yes	
" " " - Raw	11 + BGG		
Water Truck # 46	0	Yes	
" " # 48	0	Yes	
" " # 50	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Bonnie Siegel

Environmental Health Officer

cc: Michele Bertol, MACA
Paul Smith, DIAND
John Raycroft, Iqaluit Town Manager

ᕿᑭᖅᑖᓗᖓ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔩᑦ

Baffin Regional Health Services

To: Director of Public Works
Municipality of Iqaluit

Date: 22/04/99
Sample Date: 21/04/99
Lab Date: 21/04/99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
RAW WTP	41+BGG		
Treated WTP	0		
Water Truck #47	0		
Water Truck #50	0		
Water Truck #60	0		

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Bonnie [signature]

Environmental Health Officer

cc: Paul Smith - DIAND
Doug Sitland - CGH&T

ᕿᑭᖅᑖᓗᖅᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔨᑦ
Baffin Regional Health Services

To: Director of Public Works
Municipality of Iqaluit

Date: 20/05/99
Sample Date: 19/05/99
Lab Date: 19/05/99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
RAW WATER	6+BGG		
Water Treatment Plant Tap	0	Yes	
Water Truck #46	0	Yes	
Water Truck #47	0	Yes	
Water Truck #50	0	Yes	
Water Truck #60	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Bonnie Segal

Environmental Health Officer

cc: Paul Smith, WRO - DIAND
Doug Sitland - CGH+T

ᕿᑭᖅᑖᓗᒻᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔨᑦ

Baffin Regional Health Services

To: Director of Public Works
Municipality of Iqaluit

Date: 18/06/99

Sample Date: 17/06/99

Lab Date: 17/06/99

From: ENVIRONMENTAL HEALTH OFFICER
BAFFIN REGIONAL HEALTH BOARD
P.O. BAG 200, IQALUIT, N.T., X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	Acceptable Yes/No	Comments
RAW	4	Yes	
Water Treatment Plant Tap	0	Yes	
Water Truck # 46	0	Yes	
Water Truck # 47	0	Yes	
Water Truck # 48	0	Yes	
Water Truck # 60	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (819)979-7654 or fax us at (819)979-7659 between 8:30 AM - 5:00 PM.

Sincerely,

Bonnie Segal

Environmental Health Officer

cc: Paul Smith, WRO-DIAND
Doug Sitland, - CGH & T

ᕿᑭᖅᑖᓗᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᕐᒧᑦ ᑲᒪᔨᑦ
Baffin Regional Health Services

To: WTP Operator
Municipality of Iqaluit

Date: 30/07/99
Sample Date: 29/07/99
Lab Date: 29/07/99

From: Environmental Health Officer
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
RAW	1	0	Yes	
TREATED	0	0	Yes	
WATER TRUCK #46	2	0	Yes	Should clean tank soon
WATER TRUCK #48	0	0	Yes	
WATER TRUCK #50	>250	0	NO	Must clean + super-
WATER TRUCK #60	0	0	Yes	chlorinate tank.
				This truck should
				not deliver water
				until this is done

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Bonnie Segal

Environmental Health Officer

Cc: Paul Smith, WRO DIAND
Doug Sitland - CG&T

ᕿᑭᖅᑖᓗᒻᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᒧᑦ ᑲᒪᒋᑦ
Baffin Regional Health Services

To: Municipality Of Iqaluit Date: 26/08/99
Director - Public Works Sample Date: 25/08/99

From: Environmental Health Officer Lab Date: 25/08/99
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

SEP [illegible]
Municipality of Iqaluit
[illegible]

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
Treated Supply	0	0	Yes	
Truck 46	0	0	Yes	
" 48	0	0	Yes	
" 50	0	0	Yes	
Raw Supply	50	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Nicole Retchee

Environmental Health Officer

Cc:
André Savard - Plant Operator

ᕿᑭᖅᑖᓗᖕᒥ ᐊᓐᓂᐊᖅᑐᓕᕆᑎᓄᑦ ᖃᒪᓗᑦ
Baffin Regional Health Services

Municipality of Iqaluit

To: DIRECTOR, PUBLIC WORKS
MUNICIPALITY OF IQALUIT
WATER TREATMENT

Date: 16/09/99
Sample Date: 15/09/99
Lab Date: 15/09/99

From: **Environmental Health Officer**
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
RAW	3	0	YES	NORMAL
TREATED	0	0		
TRUCK 46	0	0		
" 48	0	0		
" 50	0	0		

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Nicole Ritchie

Environmental Health Officer

Cc:
ANDRE SAVARD - OPERAT
CHRIS FREDAY - UTILITY
CGT - DOUG STRAND
DIAND - PAUL SMITH

ᕿᑭᖅᑖᓗᒻᒥ ᐋᓐᓂᐊᖃᕐᓇᙱᓪᓗᓂ ᖃᓪᓗᓐ

Baffin Regional Health Services

OCT 19 1999

To: Andre Savard - WTP
Municipality of Iqaluit

Date: Oct. 14/99

Sample Date: Oct. 13/99

From: Environmental Health Officer
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

Lab Date: Oct. 13/99

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
RAW	1	0	Yes.	
WTP Tap.	0	0	Yes	
WaterTruck # 46	0	0	Yes	
Water Truck #48	>200	0	NO	-This truck must
WaterTruck #50	0	0	Yes	be cleaned &
				sanitized.

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Bonnie Siegel

Environmental Health Officer

Cc: WRO - DIAND
Doug Sitland - CG+T
Chris Freda - A/Foreman
Municipality of Iqaluit

ᕿᑭᖅᑖᓗᒥ ᐋᓐᓂᐊᖅᑐᓕᕆᓂᓄᑦ ᖃᒪᓄᑦ
Baffin Regional Health Services

To: Andre Sawad
Municipality of Iqaluit

Date: Nov. 18/99

Sample Date: Nov. 16/99

From: Environmental Health Officer
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

Lab Date: Nov. 17/99

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
Water Plant	0	0	Yes	
(Treated)				
Raw Source	0	0	Yes	Some background -
Truck # 46, 48,	0	0	Yes	colonies.
60, 38				

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Dave MacNeil

Environmental Health Officer

Cc: MAO - Diand
Doug Sitland - CG&T

ᕿᑭᖅᑖᓗᒥ ᐊᓐᓂᐊᖅᑐᓕᕆᔨᒃᑯᑦ ᖃᒪᖏᑦ
Baffin Regional Health Services

To: Andre Savard
Municipality of Iqaluit

Date: Dec. 15/99
Sample Date: Dec 14/99
Lab Date: Dec. 14/99

From: Environmental Health Officer
Baffin Regional Health & Social Services Board
PO Bag 200, Iqaluit, NT
X0A 0H0

SUBMITTED WATER SAMPLE RESULTS

The bacteriological water samples listed below were analyzed and the results are as indicated.

Location of Sample	Total Coliform	E. Coli	Acceptable Yes/No	Comments
Water plant				
Raw	1	0	Yes	
Treated	0	0		
Truck# 89	0	0		Background count
				RE Sample
# 5046810	0	0	Yes	

As you are aware, counts above zero require immediate re-sampling. If you have any problems or questions, please call us at (867)979-7655 (between 8:30AM - 5:00PM) or fax us at (867)979-7659.

Regards,

Dave MacNeil

Environmental Health Officer

RECEIVED
DEC 17 1999
MUNICIPALITY OF IQALUIT

Cc: UMO - Diand
Doug Sitland - NWT

ANALYSIS REPORT
PAH'S (Tier 1)
PCB'S (Total)

ETL Enviro·Test

A DIVISION OF ETL CHEMSPEC ANALYTICAL LIMITED

E ionton (Main)
9936 - 67 Avenue
Edmonton, AB
T 0P5
F ne: (780) 413-5227
Fax: (780) 437-2311

E ionton (Downtown)
2nd Flr., 10158 - 103 Street
Edmonton, AB
T 0X6
F ne: (780) 413-5265
Fax: (780) 424-4602

gary
Bay 2, 1313 - 44th Ave. N.E.
Calgary, AB
6L5
one: (403) 291-9897
Fax: (403) 291-0298

ande Prairie
9505 - 111 Street
Grande Prairie, AB
V 5W1
one: (780) 539-5196
Fax: (780) 513-2191

iskatoon
24 Veterinary Road
Saskatoon, SK
7N 5E3
ione: (306) 668-8370
x: (306) 668-8383
1-800-667-7645

Vinnipeg
745 Logan Avenue
Winnipeg, MB
3E 3L5
hone: (204) 945-3705
Fax: (204) 945-0763

hunder Bay
1081 Barton Street
Thunder Bay, ON
7B 5N3
hone: (807) 623-6463
Fax: (807) 623-7598

Canada Wide Phone:
1-800-668-9878

Western Canada Fax:
1-800-286-7319

CHEMICAL ANALYSIS REPORT

MUNICIPALITY OF IQALUIT
BOX 460
IQALUIT NT X0A 0H0

DATE: August 6, 1999

ATTN: CHRIS FREDA

Lab Work Order #: E907E87

Sampled By: CF

Project Reference: 991554

Date Received: 07/29/99

Project P.O.#: NOT SUBMITTED

Comments:

APPROVED BY:

Doug Johnson
Project Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY. ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ACCREDITATIONS: **STANDARDS COUNCIL OF CANADA (SCC)**, IN COOPERATION WITH **THE CANADIAN ASSOCIATION FOR ENVIRONMENTAL ANALYTICAL LABORATORIES (CAEAL)**: FOR SPECIFIC TESTS AS REGISTERED BY THE COUNCIL (EDMONTON, CALGARY, SASKATOON, WINNIPEG, THUNDER BAY)
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA) FOR INDUSTRIAL HYGIENE ANALYSIS (EDMONTON, WI
STANDARDS COUNCIL OF CANADA IN COOPERATION WITH THE CANADIAN FOOD INSPECTION AGENCY (CFIA
FOR FERTILIZER AND FEED TESTING (SASKATOON)

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

LAB ID	SAMPLE ID	TEST DESCRIPTION	RESULT	D.L.	UNITS	EXTRACTED	ANALYZED	BY
E907E87-01 Sample Type:WATER Collected:07/28/99 14:00	SNP 5							
		AB Tier1-PAHs in Water						
		Naphthalene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Acenaphthylene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Acenaphthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Fluorene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Phenanthrene/Anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Fluoranthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		B(a)A/Chrysene/B(c)P	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		7,12-Dimethylbenz(a)anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(b/j/k)fluoranthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(a)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		3-Methylcholanthrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Indeno(1,2,3-cd)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Dibenzo(ah)anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(ghi)perylene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Dibenz(ah,ai,aj)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		PCB's in Water						
		Aroclor 1260	0.05	0.05	ug/L	08/04/99	08/05/99	DML
E907E87-03 Sample Type:WATER Collected:07/28/99 14:00	SNP 7							
		AB Tier1-PAHs in Water						
		Naphthalene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Acenaphthylene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Acenaphthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Fluorene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Phenanthrene/Anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Fluoranthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		B(a)A/Chrysene/B(c)P	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		7,12-Dimethylbenz(a)anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(b/j/k)fluoranthene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(a)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		3-Methylcholanthrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Indeno(1,2,3-cd)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Dibenzo(ah)anthracene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Benzo(ghi)perylene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		Dibenz(ah,ai,aj)pyrene	< 0.05	0.05	ug/L	08/03/99	08/05/99	SRJ
		PCB's in Water						
		All Aroclors	<0.05	0.05	ug/L	08/04/99	08/05/99	DML

N.D. - NOT DETECTED, LESS THAN THE DETECTION LIMIT

THIS IS THE FINAL PAGE OF THE REPORT
NOT INCLUDING APPENDICES

SNP 6 WAS DRY

Appendix A Test Methodologies

AB Tier1-PAHs in Water — Laboratory Code: PAH5W1

Preparation Method: Liquid/liquid extraction with DCM

Instrument Method: GC/MSD analysis

Method Reference: Extraction Method: EPA 3510 or EPA 3520 (modified)
Analytical Method: EPA 8270 (modified)

PCB's in Water — Laboratory Code: PCB1W1

Preparation Method: Extraction with dichloromethane

Instrument Method: GC/ECD analysis

Method Reference: Extraction Method: EPA 3510 (modified)
Analytical Method: EPA 8082 (modified)

Minimum Detection Limit (MDL) - 0.050 ppb for all Aroclors

QA/QC Statement:

Accuracy is 93% (expressed as the average % recovery of PCB in water at a 5 ppb level).

Precision is +/- 16% (expressed as the relative standard deviation or RSD).

Key To Sub-Contracted Laboratory Identification:

Laboratory	Test Code # *	Laboratory	Test Code# *
ETL - Edmonton	1,S	Core Laboratories	C
ETL - Calgary	2	HydroQual	H
ETL -Saskatoon	3	SRC	R
ETL - Thunder Bay	7	Biochem	B
ETL - Winnipeg	8	Bioquest	Q
ETL - Grande Prairie	9	WSH Laboratories	W
ETL - Mobile Services	L	Maxxam	M
Bodycote	E	Alpha Laboratories	A
Norwest Laboratories	N		

* The Test code #/Letter is the last character on the test code.
For Example: NMA1W3 designates that the test was performed in the ETL Saskatoon laboratory.
THIS IS THE LAST PAGE OF THE METHODOLOGY APPENDIX.

RAW WATER TESTS
JUNE, AUGUST, OCTOBER 1999

Water Filter Analysis Report Sheet — Confidential Report

HYPERION RESEARCH LTD.

1008 Allowance Ave. SE, Medicine Hat, AB T1A 3G8 CANADA
Fax (877) 529-0852 Telephone (403) 529-0847 E-mail: hyperion@telusplanet.net

Client : Municipality of Iqaluit
Chris Freda
Box 460
Iqaluit, NT
X0A 0H0

Telephone : (867) 979-5648
FAX : (867) 979-4166

Date of Sample : June 2, 1999
Sample Location : WTP
Type of Sample : raw
Volume Filtered (L): 1000
Temperature (°C) : 10.7
pH : 5.58
Turbidity (NTU) 8.0

MICROBIOLOGICAL RESULTS

Giardia Cysts:	0.0 /100 L
Cryptosporidium Oocysts:	0.0 /100 L

Algae	++++
Nematodes	-
Rotifers	+
Crustacea	+++
Insecta	-

Key for Algae to Insecta: - Absent, + Present, ++ Low, +++ Medium, ++++ High

COMMENTS :

Analyst: [signature]

LAB NOTES

Date Received: June 3, 1999 Time: 1030
Condition of Filter: cold Lab ID: 313
Customer # : 8
Monoclonal Antibody: AG CY3 + DAPI
Control: G. 4 C. 4
Density Medium : P/S 1.15
Total Wash Vol. (mL): 1000
Vol. Clarified (mL) 100
Sediment Vol. (mL): 0.20
Resuspension Vol. (μL): 100

	DETECTION	VIABILITY
Volume Used (μL):	100	
Sample Equivalent Vol. (L):	100.0	0.0
Detection Limit:*	1.00	cysts or oocysts/100 L

# CYSTS/OOCYSTS	*Giardia*	*Crypto.*
Dead	0	0
Viable	0	0
Total	0	0

*Detection Limit is calculated assuming a minimum of 1 cyst or oocyst observed in the Sample Equivalent Volume.

**** PLEASE NOTE NEW FAX NUMBER ****
(403) 529-0852

Water Filter Analysis Report Sheet

Confidential Report

HYPERION RESEARCH LTD.

1008 Allowance Ave. SE, Medicine Hat, AB T1A 3G8 CANADA
Fax (877) 529-0852 Telephone (403) 529-0847 E-mail: hyperion@telusplanet.net

Client: Municipality of Iqaluit
Chris Freda
Box 460
Iqaluit, NT
X0A 0H0

Telephone: (867) 979-5648
FAX: (867) 979-4166

Date of Sample	Aug. 23, 1999
Sample Location	WTP
Type of Sample	raw
Volume Filtered (L)	1000
Temperature (°C)	8.5
pH:	6.50
Turbidity (NTU)	1.29

MICROBIOLOGICAL RESULTS

Giardia **Cysts:**	**0.0 /100 L**
Cryptosporidium **Oocysts:**	**0.0 /100 L**

Algae	+++
Nematodes	-
Rotifers	+
Crustacea	++
Insects	-

Key for Algae to Insecta: - Absent, + Present, ++ Low, +++ Medium, ++++ High

COMMENTS

This sample contained many pseudocryptosporidium, 7-8 um in diameter with no visible internal structures.

Analyst: [signature]

LAB NOTES

Date Received: Aug. 24, 1999 Time: 1430
Condition of Filter: cold Lab ID: 456
Customer #: 8
Monoclonal Antibody: AG CY3 + DAPI
Control: G. 4 C. 4
Density Medium: P/S 1.15
Total Wash Vol. (mL) 1050
Vol. Clarified (mL) 50
Sediment Vol. (mL) 0.10
Resuspension Vol. (μL): 100

	DETECTION	VIABILITY
Volume Used (μL):	100	
Sample Equivalent Vol. (L):	47.6	0.0
Detection Limit:*	2.10	cysts or oocysts/100 L

# CYSTS/OOCYSTS	***Giardia***	***Crypto.***
Dead	0	0
Viable	0	0
Total	0	0

*Detection Limit is calculated assuming a minimum of 1 cyst or oocyst observed in the Sample Equivalent Volume.

**** PLEASE NOTE NEW FAX NUMBER ****
(403) 529-0852

Water Filter Analysis Report Sheet **Confidential Report**

HYPERION RESEARCH LTD.

1008 Allowance Ave. SE, Medicine Hat, AB T1A 3G8 CANADA
Fax (877) 529-0852 Telephone (403) 529-0847 E-mail: hyperion@telusplanet.net

Client : Municipality of Iqaluit
Chris Freda
Box 460
Iqaluit, NT
X0A 0H0

Telephone : (867) 979-5648
FAX : (867) 979-4166

Date of Sample	Oct. 25, 1999
Sample Location	WTP
Type of Sample	raw
Volume Filtered (L)	1000
Temperature (°C)	7.3
pH :	6
Turbidity (NTU)	1.9

MICROBIOLOGICAL RESULTS

Giardia Cysts:	0.0 /100 L
Cryptosporidium Oocysts:	0.0 /100 L

Algae	+++
Nematodes	-
Rotifers	-
Crustacea	+
Insecta	-

Key for Algae to Insecta: - Absent, + Present, ..., +++ Medium, ++++ High

COMMENTS
Please note address change for future shipping.

1008 Allowance Ave SE,
Medicine Hat, AB
T1A 3G8

Analyst: [signature]

LAB NOTES

Date Received: Oct. 27, 1999 Time: 1030
Condition of Filter: cold Lab ID: 587
Customer # : 8
Monoclonal Antibody: AG CY3 + DAPI
Control: *G.* 4 *C.* 4
Density Medium : P/S 1.15
Total Wash Vol. (mL) 1000
Vol. Clarified (mL) 100
Sediment Vol. (mL) 0.15
Resuspension Vol. (µL): 100

	DETECTION	VIABILITY
Volume Used (µL):	100	
Sample Equivalent Vol. (L):	100.0	0.0
Detection Limit:*	1.00	cysts or oocysts/100 L

# CYSTS/OOCYSTS	*Giardia*	*Crypto.*
Dead	0	0
Viable	0	0
Total	0	0

*Detection Limit is calculated assuming a minimum of 1 cyst or oocyst observed in the Sample Equivalent Volume.

**** PLEASE NOTE NEW FAX NUMBER ****
(403) 529-0852

SPILL REPORTS 1999

Northwest Territories

N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

ᓄᓇᑦᑎᐊᒥ ᑯᐱᔪᓄᑦ ᐅᓂᒃᑳᖅ (ᐅᖅᓱᐊᓗᐃᑦ, ᒡᓯᑦ, ᐊᑦᑕᕐᓇᖅᑐᑦ ᐃᓚᖏᑦ ᐅᐊᕐᓗ ᐊᓯᖏᑦ)

24-Hour Report Line
24-ᓄᑦ ᐃᑲᕐᕋᓄᑦ ᐅᓂᒃᑳᕐᕕᐅᔪᓐᓇᖅᑐᖅ ᐅᖃᓚᐅᑦ
Phone/ᐅᖃᓚᐅᑦ (403) 920-8130
Fax/ᓱᑲᑦᑐᒃᑯᑦ (403) 873-6924

A Report date and time / ᐅᓪᓗᖓ ᓯᕐᕿᖅᑯᔭᖓ ᖃᖓᒍᕐᓂᖓᓗ ᐅᓂᒃᑳᖅᑎᓯᔪᐃᑦ: 26/02/99	**B** Date and time of spill (if known) / ᐅᓪᓗᖓ ᑯᐱᓂᖓᓗ ᖃᖓᒍᕐᓂᖓᓗᓗ (ᖃᐅᔨᒪᔭᐅᑉᐸ): 8AM. 26/02/99	**C** ✓ Original report / ᓯᕗᓪᓕᖅᐸᒥ ᐅᓂᒃᑳᑎᐅᔪᖅ; Update no. ____ / ᐅᓂᒃᑳᑎᑦᑎᓂᐊᖅᑐᖅ ᓈᓴᐅᑎ — Spill number / ᑯᐱᔪᑦ ᓈᓴᐅᑎ
D Location and map coordinates (if known) and direction (if moving) / ᓇᓂ ᑯᐱᑦ ᐊᒻᒪᓗ ᓄᓇᙳᐊᑦ ᓈᓴᐅᑎᖏᑦ (ᖃᐅᔨᒪᔭᐅᑉᐸ) ᐊᒻᒪᓗ ᓇᒧᙵᐅᕐᓂᖓ (ᐃᖏᕋᒃᐸ): HAPPY VALLEY BETWEEN A.V. 223 → AV 224		
E Party responsible for spill / ᑭᒃᑯᑦ ᑯᐱᑎᑦᑎᑦ: MUNICIPALITY OF IQALUIT		
F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) / ᑭᓱᑦ ᑭᓱᒐᓚᖕᓂᑦ ᑯᐱᑉᐸᑦ: SEWAGE		
G Cause of spill / ᑭᓱ ᑯᐱᔾᔪᑕᐅᕙ: PIPE BLOCKAGE A.V 223 CAUSE BACK-UP		
H Is spill terminated? / ᑯᐱᔪᖅ ᓄᖅᑲᖅᑎᑕᐅᕙ? ✓ yes/ᐄ ☐ no/ᐋᒃᑲ	**I** If spill is continuing, give estimated rate / ᓱᓕ ᑯᐱᒃᐸᑦ: N/A	**J** Is further spillage possible? / ᑯᐱᒃᑲᓐᓂᕆᐊᖃᓐᓇᐃᓐᓇᖅᑐᖅ? ☐ yes/ᐄ ✓ no/ᐋᒃᑲ — **K** Extent of contaminated area (in square metres if possible): 9 M²
L Factors affecting spill or recovery (weather conditions, terrain, snow cover, etc.): SEWAGE RUN UNDER SNOW	**M** Containment (natural depression, dykes, etc.): VALLEY	
N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials: LOADER REMOVAL OF CONTAMINATED SNOW TO SEWAGE LAGOON		
O Do you require assistance? ✓ no / ᐋᒃᑲ ☐ yes, describe: / ᐄ - ᓇᓗᓇᐃᔭᕐᓗᒍ	**P** Possible hazards to persons, property, or environment; eg: fire, drinking water, fish or wildlife: N/A	
Q Comments and/or recommendations / ᐅᖃᐅᓯᐅᔪᐃᑦ ᐊᒻᒪᓗ ᐅᐊᕐᓗ ᖃᓄᐃᓕᐅᕆᐊᒃᓴᐅᔪᑦ	FOR SPILL LINE USE ONLY — Lead Agency; Spill significance; Lead Agency contact and time; Is this file now closed? / ᑖᓇ ᐅᓂᒃᑳᔭᐅᔪᖅ ᒪᑐᔭᐅᕙ?	
Reported by / ᐅᓂᒃᑳᖅᑐᖅ: CHRIS FREDA	Position, Employer, Location / ᖃᓄᐃᑦᑐᒥᒃ ᐃᖅᑲᓇᐃᔭᖅᐸ, ᐃᖅᑲᓇᐃᔭᕐᕕᖓ, ᓇᒥ: UTILIDOR FOREMAN	Telephone / ᐅᖃᓚᐅᑦ: 979-5648
Reported to / ᑭᒧᓄᑦ ᐅᓂᒃᑳᖅᑕᐅᕙ	Position, Employer, Location / ᖃᓄᐃᑦᑐᒥᒃ ᐃᖅᑲᓇᐃᔭᖅᐸ, ᐃᖅᑲᓇᐃᔭᕐᕕᖓ, ᓇᒥ	Telephone / ᐅᖃᓚᐅᑦ

NWT 1752/0593

Northwest Territories

N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

ᓄᓇᑦᑎᐊᒥ ᑯᐱᔪᓂᑦ ᐅᓂᒃᑳᖅ (ᐅᖅᓱᐊᓗᐃᑦ, ᒐᓯᑦ, ᐊᑦᑕᓇᖅᑐᑦ ᐃᓚᖓᐃᑦ ᐅᕐᕌᓗ ᐊᓯᖏᑦ)

24-Hour Report Line
24-ᓄᑦ ᐃᑲᕐᕋᓄᑦ ᐅᓂᒃᑳᖅᑎᕈᑎᐅᓇᖅᑐᖅ ᐅᖄᓚᐅᑦ
Phone/ᐅᖄᓚᐅᑦ (403) 920-8130
Fax/ᓱᑲᑦᑐᒃᑯᑦ (403) 873-6924

A Report date and time
ᐅᓪᓗᖅ ᓯᑯᓐᖑᔪᖅ ᖃᖓᒍᐊᖅᑎᓪᓗᒍ ᐅᓂᒃᑳᖅᑎᐅᔪᑦ
12:30PM. APRIL 5 99

B Date and time of spill (if known)
ᐅᓪᓗᖓ ᑯᐱᖅᑎᓪᓗᒍ ᖃᖓᒍᐊᖅᑎᓪᓗᓗ (ᖃᐅᔨᒪᔭᐅᑉᐸᑦ)
12:00 APRIL 5/99

C Original report ✓
ᓯᕗᓪᓕᖅᐸᓕ ᐅᓂᒃᑳᖅᑕᐅᔪᖅ
Update no. ____
ᐅᓂᒃᑳᖅᑕᐅᕙᓪᓕᐊᓂᖓᓄᑦ ᓈᓴᐅᑦ ____

Spill number
ᑯᐱᔪᑦ ᓈᓴᐅᑦ

D Location and map coordinates (if known) and direction (if moving)
ᓇᓂ ᑯᐱᖅ ᐊᒻᒪᓗ ᓄᓇᖑᐊᖅ ᓈᓴᐅᑎᖏᑦ (ᖃᐅᔨᒪᔭᐅᑉᐸᑦ) ᐊᒻᒪᓗ ᓇᒧᖓᐅᓕᕐᒪᖔᑦ (ᐃᖏᕐᕋᑉᐸᑦ)
BETWEEN M.H. 70 → M.H. 71 Hs# 543

E Party responsible for spill
ᑭᒃᑯᑦ ᑯᐱᑎᑦᑎᑦ
MUNICIPALITY OF IQALUIT.

F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible)
ᓱᓇ ᓱᓕᓪᓗᐊᓂᑦ ᑯᐱᖅ ᖃᓄᖅ ᐊᖏᓂᖓ (ᐊᖏᓂᖓ ᐅᒃᑯᐃᓇᖏᓐᓂᓗ ᐊᑦᓴᓕᐅᕐᓗᒍ)
SEWAGE 5M³ /1000 LITRES

G Cause of spill
ᓱᒻᒪ ᑯᐱᖅᑕᖅ
LINE BLOCKAGE

H Is spill terminated?
ᑯᐱᔪᖅ ᓄᖃᖅᑕᐅᔪᖅ?
✓ yes/ᐄ ☐ no/ᐋᒃᑲ

I If spill is continuing, give estimated rate
ᓱᓕ ᑯᐱᒃᐸᑦ ᖃᓄᖅ ᓱᒃᑲᓕᑎᒋ ᑯᐱᕙᑦ
N/A

J Is further spillage possible?
ᑯᐱᒃᑲᓐᓂᕐᓇᖅᐸ?
☐ yes/ᐄ ✓ no/ᐋᒃᑲ

K Extent of contaminated area (in square metres if possible)
ᖃᓄᖅ ᐊᖏᑎᒋᖕᒪᖔᑦ ᐃᓗᓯᖅᑕᐅᔪᖅ (ᐅᖓᑦᑖᓪᓗᒍ ᐊᑦᓴᓕᐅᕐᓗᒍ)
5 M³

L Factors affecting spill or recovery (weather conditions, terrain, snow cover, etc.)
ᓱᓇ ᐊᒃᑐᐃᔪᖅ ᑯᐱᖅᑐᖅ ᐅᕙᓗ ᐊᕐᕌᒍᓂᐅᖏᑎᓪᓗᒍ (ᓯᓚ ᖃᓄᐃᑦᑐᓂᖓ, ᓄᓇ ᖃᓄᐃᑦᑐᓂᖓ, ᐊᐳᑦᑐᒐᓱᒃᑐᓂᖓ)
NATURAL DEPRESSION SNOW COVER.

M Containment (natural depression, dykes, etc.)
ᐅᖅᓱᐊᓗᒃ ᐊᑐᖃᑦᑕᖅᑐᑦ ᐃᓯᖅᑕᐅᓇᓱᑦᑐᖅ (ᓄᓇᒥ ᐃᓯᖅᑕᐅᑦ, ᐊᓯᑦᑐᓇᖏᖅᑐᑦ)

N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials
ᖃᓄᐃᓕᐅᖅᑕᐅᓚᐅᖅᑐᖅ, ᖃᓄᐃᓕᐅᕈᑎᖃᕐᓂᐊᖅᑐᑦ ᐅᕝᕙᓗ ᖃᓄᐃᓕᐅᕈᑎᒋᓂᐊᖅᑕᑦ ᐊᑕᐅᓯᕐᒥᒃᑕᓂᖅ, ᓄᖃᖅᑎᑦᑕᓂᖅ, ᓴᓗᒻᒪᖅᓴᖅᑕᐅᓗᓂ ᐅᕝᕙᓗ ᐃᒥᖅᑕᐅᓂᐊᖅᑐᑦ ᑯᐱᔪᖅ (ᑯᐱᖅᓯᒪᔪᑦ) ᐊᒻᒪᓗ ᑯᐱᖅᑕᐅᔪᑦ.
WILL MIX SNOW WITH SEWAGE AND REMOVE TO SEWAGE LAGOON.

O Do you require assistance?
ᐃᑲᔪᖅᑕᐅᔪᒪᕖᑦ?
✓ no/ᐋᒃᑲ ☐ yes, describe: ᐄ - ᓇᓗᓇᐃᔭᕐᓗᒍ

P Possible hazards to persons, property, or environment; eg: fire, drinking water, fish or wildlife
ᐊᑦᑕᓇᖅᑐᑦ ᐃᓄᖕᓄᑦ, ᐱᖁᑎᖏᓐᓄᑦ ᐅᕝᕙᓗ ᐊᕙᑎᖓᓄᑦ ᓯᕿ - ᐃᒥᖅᑐᒥ, ᐃᖃᓗᖕᓂ ᓂᕐᔪᑎᓂᓗ, ᐃᒃᑲᔪᐃᑦ ᐅᕝᕙᓗ ᓂᕐᔪᑎᓄᑦ
N/A

Q Comments and/or recommendations ᐅᖃᐅᓯᐅᔪᑦ ᐊᒻᒪᓗ ᐅᕝᕙᓗ ᑲᒻᒪᒋᐊᖃᖅᑐᑦ
TOO DUMP TRUCK FULL

FOR SPILL LINE USE ONLY
ᐊᑐᖅᑕᐅᔪᖅ ᑯᐱᔪᓄᑦ ᐅᖄᓚᐅᑎᓕᐅᖅᑐᓄᑦ

Lead Agency
ᐃᖅᑲᓇᐃᔭᖅᑎᖏᑦ ᑯᐱᔪᒥ ᑲᒪᔩᑦ-

Spill significance
ᑯᐱᔪᑦ ᖃᓄᐃᓕᖓᓂᖓ-

Lead Agency contact and time
ᐃᖅᑲᓇᐃᔭᖅᑎᖏᑦ ᑯᐱᔪᒥ ᑲᒪᔩᑦ ᖃᐅᔨᒃᑕᐅᓂᖓ ᐊᒻᒪᓗ ᖃᖓᒍᐊᖅᑎᓪᓗᒍ

Is this file now closed?
ᑖᓐᓇ ᐅᓂᒃᑳᓕᐊᖅ ᒪᑐᔭᐅᕙ?

Reported by ᐅᓂᒃᑳᖅᑐᖅ	Position, Employer, Location ᖃᓄᐃᑦᑐᒥ ᐃᖅᑲᓇᐃᔭᖅᐸ, ᐃᖅᑲᓇᐃᔭᕐᕕᖓ, ᓇᓂ	Telephone ᐅᖄᓚᐅᑦ
Chris Fearn	UTILITIES FOREMAN MUNICIPALITY IQALUIT	979-5678
Reported to ᑭᒃᑯᓄᑦ ᐅᓂᒃᑳᖅᑕᐅᔪᖅ	Position, Employer, Location ᖃᓄᐃᑦᑐᒥ ᐃᖅᑲᓇᐃᔭᖅᐸ, ᐃᖅᑲᓇᐃᔭᕐᕕᖓ, ᓇᓂ	Telephone ᐅᖄᓚᐅᑦ

NWT 1752/0593

SURVEILLANCE NETWORK PROGRAM
TESTS RESULTS
JUNE 1999

SNP 87-1
SNP 87-2
SNP 87-5
SNP 87-6
SNP 87-7

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990937

SAMPLE INFORMATION

Our Lab#: 990937
Your Sample ID: 87-2
Sample Matrix: sewage

PROJECT: muni -SNP

Collection:
Location: Muni of Iqaluit
Date: 6/23/1999
By: C.Freda

Received Date: 24-June-99
Report Date: 17-Jul-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
990937						
	pH	7.22	pH	0.05	6/25/1999	010301
	Tot-Suspended-Solids	33	mg/L	3	7/13/1999	EC10406
	Ammonia-N	21.3	mg/L	0.005	7/07/1999	EC7557
	Bio-Oxy-Demand	95	mg/L	2	6/24/1999	08208
	Faecal_Coliform	290000	CFU/dL	1		036014

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990938

SAMPLE INFORMATION

Our Lab#: 990938
Your Sample ID: 87-01
Sample Matrix: raw water

PROJECT: MOU 1999

Collection:
Location: SNP 87-01; Iqaluit
Date: 6/23/1999
By: C.Freda

Received Date: 24-June-99
Report Date: 17-Jul-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
990938							
	Alkalinity		15.5	mg/L	0.3	6/25/1999	010101
	Fluoride		L0.05	mg/L	0.05	7/06/1999	009105
	Chloride		1.0	mg/L	0.2	7/08/1999	17206
	Sulphate		3	mg/L	3	7/16/1999	016306
	Turbidity		1.4	NTU	0.1	6/25/1999	002081
	Tot-Suspended-Solids		4	mg/L	3	7/13/1999	EC10406
X (	Tot-Diss-Solids		25.0	mg/L	10.0	7/13/1999	EC10451
	NO3-N+NO2-N		0.086	mg/L	0.008	6/24/1999	07110
	Nitrite-N	<	0.008	mg/L	0.008	6/24/1999	007206
	Tot-Cyanide	<	0.003	mg/L	0.003	7/15/1999	EPA 335.4
	Phenols	<	2.00	ug/L	2.00	7/02/1999	006536
	Tot-TriHaloMethanes(water	<	0.005	mg/L	0.005	6/28/1999	EPA624
	Tot-Mercury(water)		L0.01	ug/L	0.01	7/02/1999	080314
	Tot-Arsenic(water)		L0.2	ug/L	0.2	6/29/1999	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990938

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	7/06/1999	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	7/06/1999	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	7/06/1999	ICP-MS
Tot-Copper(ICP/MS)	47.5	ug/L	2.0	7/06/1999	ICP-MS
Tot-Iron(AA)	0.242	mg/L	0.012	6/29/1999	ICP-MS
Tot-Manganese(ICP-MS)	61.5	ug/L	1.0	7/06/1999	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	7/06/1999	ICP-MS
Tot-Lead(ICP-MS)	2.4	ug/L	1.0	7/06/1999	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10.0	7/06/1999	ICP-MS

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990939

SAMPLE INFORMATION

Our Lab#: 990939
Your Sample ID: 87-06
Sample Matrix: water

PROJECT: MOU 1999

Collection:
Location: SNP 87-06; Iqaluit
Date: 6/23/1999
By: C.Freda

Received Date: 24-June-99
Report Date: 17-Jul-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
990939							
	pH		7.04	pH	0.05	6/25/1999	010301
	Conductivity		645	uS/cm	0.3	6/25/1999	02041
	Calcium		91.3	mg/L	0.05	7/05/1999	EC20003
	Magnesium		7.56	mg/L	0.01	7/05/1999	012102
	Sodium		20.4	mg/L	0.02	7/05/1999	011102
	Potassium		10.2	mg/L	0.02	7/05/1999	EC19102
	Sulphate		240	mg/L	3	7/16/1999	016306
	Tot-Suspended-Solids		3	mg/L	3	7/13/1999	EC10406
	NO3-N+NO2-N		0.921	mg/L	0.008	6/24/1999	07110
	Ammonia-N		0.176	mg/L	0.005	7/14/1999	EC7557
	T-Phosphorous		0.036	mg/L	0.004	6/30/1999	EC15411
	Phenols	<	2.00	ug/L	2.00	7/02/1999	006536
	Tot-Mercury(water)		L0.01	ug/L	0.01	7/02/1999	080314
	Tot-Arsenic(water)		L0.2	ug/L	0.2	6/29/1999	EC33011

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 990939

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	7/08/1999	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	7/08/1999	ICP-MS
Tot-Chromium(ICP-MS)	4.0	ug/L	3.0	7/08/1999	ICP-MS
Tot-Copper(ICP/MS)	8.6	ug/L	2.0	7/08/1999	ICP-MS
Tot-Iron(AA)	0.106	mg/L	0.012	6/29/1999	ICP-MS
Tot-Manganese(ICP-MS)	130	ug/L	1.0	7/08/1999	ICP-MS
Tot-Nickel(ICP-MS)	2.6	ug/L	1.0	7/08/1999	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	7/08/1999	ICP-MS
Tot-Zinc(ICP-MS)	67.4	ug/L	10.0	7/08/1999	ICP-MS

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990940

SAMPLE INFORMATION

Our Lab#: 990940
Your Sample ID: SNP 87-7
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87-7 Iqaluit
Date: 6/23/1999
By: C.Freda

Received Date: 24-June-99
Report Date: 17-Jul-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
990940						
	pH	6.90	pH	0.05	6/25/1999	010301
	Conductivity	1.7	mS/cm	0.3	6/25/1999	02041
	Calcium	184	mg/L	0.05	7/05/1999	EC20003
	Magnesium	27.3	mg/L	0.01	7/05/1999	012102
	Sodium	188	mg/L	0.02	7/05/1999	011102
	Potassium	25.6	mg/L	0.02	7/05/1999	EC19102
	Sulphate	508	mg/L	3	7/16/1999	016306
	Tot-Suspended-Solids	65	mg/L	3	7/13/1999	EC10406
	NO3-N+NO2-N	1.44	mg/L	0.008	6/24/1999	07110
	Ammonia-N	1.76	mg/L	0.005	7/14/1999	EC7557
	T-Phosphorous	0.956	mg/L	0.004	6/30/1999	EC15411
	Phenols	3.40	ug/L	2.00	7/02/1999	006536
	Tot-Arsenic(water)	2.3	ug/L	0.2	6/29/1999	EC33011
	Tot-Cadmium(ICP-MS)	10.8	ug/L	0.3	7/08/1999	ICP-MS

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990940

Tot-Cobalt(ICP-MS)	9.0	ug/L	1.0	7/08/1999	ICP-MS
Tot-Chromium(ICP-MS)	15.3	ug/L	3.0	7/08/1999	ICP-MS
Tot-Copper(ICP/MS)	62.7	ug/L	2.0	7/08/1999	ICP-MS
Tot-Iron(AA)	4.36	mg/L	0.012	6/29/1999	ICP-MS
Tot-Manganese(ICP-MS)	834	ug/L	1.0	7/08/1999	ICP-MS
Tot-Nickel(ICP-MS)	30.3	ug/L	1.0	7/08/1999	ICP-MS
Tot-Lead(ICP-MS)	37.1	ug/L	1.0	7/08/1999	ICP-MS
Tot-Zinc(ICP-MS)	3560.0	ug/L	10.0	7/08/1999	ICP-MS
Tot-Mercury(water)	L0.01	ug/L	0.01	7/02/1999	080314

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 990941

SAMPLE INFORMATION

Our Lab#: 990941
Your Sample ID: SNP 87-5
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87-5; Iqaluit
Date: 6/23/1999
By: C.Freda

Received Date: 24-June-99
Report Date: 17-Jul-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
990941							
	pH		7.65	pH	0.05	6/25/1999	010301
	Conductivity		72.4	uS/cm	0.3	6/25/1999	02041
	Calcium		11.0	mg/L	0.05	7/05/1999	EC20003
	Magnesium		1.18	mg/L	0.01	7/05/1999	012102
	Sodium		0.89	mg/L	0.02	7/05/1999	011102
	Potassium		0.25	mg/L	0.02	7/05/1999	EC19102
	Sulphate		9	mg/L	3	7/16/1999	016306
	Tot-Suspended-Solids		6	mg/L	3	7/13/1999	EC10406
	NO3-N+NO2-N		0.153	mg/L	0.008	6/24/1999	07110
	Ammonia-N	<	0.005	mg/L	0.005	7/14/1999	EC7557
	T-Phosphorous	<	0.004	mg/L	0.004	6/30/1999	EC15411
	Phenols	<	2.00	ug/L	2.00	7/02/1999	006536
	Tot-Arsenic(water)		L0.2	ug/L	0.2	6/29/1999	EC33011
	Tot-Cadmium(ICP-MS)		L0.3	ug/L	0.3	7/06/1999	ICP-MS

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 990941

Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	7/06/1999	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	7/06/1999	ICP-MS
Tot-Copper(ICP/MS)	2.0	ug/L	2.0	7/06/1999	ICP-MS
Tot-Iron(AA)	0.219	mg/L	0.012	6/29/1999	ICP-MS
Tot-Manganese(ICP-MS)	9.9	ug/L	1.0	7/06/1999	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	7/06/1999	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	7/06/1999	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10.0	7/06/1999	ICP-MS
Tot-Mercury(water)	L0.01	ug/L	0.01	7/02/1999	080314

SURVEILLANCE NETWORK PROGRAM
TESTS RESULTS
JULY 1999

SNP 87-2
SNP 87-5
SNP 87-7

SNP 87-6 Dry

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

To: IQALUIT

BOX 460

IQALUIT NU X0A_0H0

Att'n: Chris Freda

LAB# 991463

SAMPLE INFORMATION

Our Lab#: 991463
Your Sample ID: 87-5
Sample Matrix:

PROJECT:

Collection:
Location:
Date: 7/28/1999
By: Chris Freda

Received Date: 29-July-99
Report Date: 26-Aug-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
991463							
	pH		7.49	pH	0.05	8/04/1999	010301
	Conductivity		86.8	uS/cm	0.3	8/04/1999	02041
	Calcium		12.9	mg/L	0.05	8/09/1999	EC20003
	Magnesium		1.47	mg/L	0.01	8/09/1999	012102
	Sodium		0.95	mg/L	0.02	8/09/1999	011102
	Potassium		0.28	mg/L	0.03	8/09/1999	EC19102
	Sulphate		6	mg/L	3	8/10/1999	016306
	Tot-Suspended-Solids		5	mg/L	3	8/20/1999	EC10406
	NO3-N+NO2-N		0.053	mg/L	0.008	8/06/1999	07110
	T-Phosphorous		0.013	mg/L	0.004	8/10/1999	EC15411
	Ammonia-N	<	0.005	mg/L	0.005	7/30/1999	EC7557
	Phenols		L2.00	ug/L	2.00	8/20/1999	006536
	Tot-Mercury(water)		L0.01	ug/L	0.01	8/04/1999	080314
	Tot-Arsenic(water)		L0.2	ug/L	0.2	8/03/1999	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NU X0A_0H0

Att'n: Chris Freda

LAB# 991463

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	8/06/1999	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	8/06/1999	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	8/06/1999	ICP-MS
Tot-Copper(ICP/MS)	3.3	ug/L	2.0	8/06/1999	ICP-MS
Tot-Iron(AA)	0.24	mg/L	0.03	8/05/1999	ICP-MS
Tot-Manganese(ICP-MS)	11.0	ug/L	1.0	8/06/1999	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	8/06/1999	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	8/06/1999	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10.0	8/06/1999	ICP-MS

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

To: IQALUIT
BOX 460
IQALUIT NU X0A_0H0
Att'n: Chris Freda

Municipality of Iqaluit

LAB# 991462

SAMPLE INFORMATION

Our Lab#: 991462
Your Sample ID: 87-2
Sample Matrix:

PROJECT:

Collection:
Location: SNP-2
Date: 7/28/1999
By: Chris Freda

Received Date: 29-July-99
Report Date: 26-Aug-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
991462						
	pH	4.56	pH	0.05	7/30/1999	010301
	Tot-Suspended-Solids	30	mg/L	3	8/20/1999	EC10406
	Ammonia-N	19.4	mg/L	0.005	7/30/1999	EC7557
	Bio-Oxy-Demand	Not Availabl	mg/L	2	7/29/1999	08208
	Faecal_Coliform	480000	CFU/dL	1	7/30/1999	036014

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

To: IQALUIT

BOX 460

IQALUIT NU X0A_0H0

Att'n: Chris Freda

LAB# 991464

SAMPLE INFORMATION

Our Lab#: 991464
Your Sample ID: 87-7
Sample Matrix:

PROJECT:

Collection:
Location:
Date: 7/28/1999
By: Chris Freda

Received Date: 29-July-99
Report Date: 30-Aug-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
991464							
	pH		7.50	pH	0.05	8/04/1999	010301
	Conductivity		6170	uS/cm	0.3	8/27/1999	02041
	Calcium		298	mg/L	0.05	8/09/1999	EC20003
	Magnesium		150	mg/L	0.01	8/09/1999	012102
	Sodium		856	mg/L	0.02	8/09/1999	011102
	Potassium		139	mg/L	0.03	8/09/1999	EC19102
	Sulphate		1270	mg/L	3	8/10/1999	016306
	Tot-Suspended-Solids		17	mg/L	3	8/20/1999	EC10406
	NO3-N+NO2-N		0.008	mg/L	0.008	8/06/1999	07110
	T-Phosphorous		0.050	mg/L	0.004	8/10/1999	EC15411
	Ammonia-N	<	0.005	mg/L	0.005	7/30/1999	EC7557
	Phenols		4.82	ug/L	2.00	8/20/1999	006536
	Tot-Mercury(water)		L0.01	ug/L	0.01	8/04/1999	080314
	Tot-Arsenic(water)		0.2	ug/L	0.2	8/03/1999	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NU X0A_0H0

Att'n: Chris Freda

LAB# 991464

Tot-Cadmium(ICP-MS)	1.7	ug/L	0.3	8/06/1999	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	8/06/1999	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	8/06/1999	ICP-MS
Tot-Copper(ICP/MS)	18.7	ug/L	2.0	8/06/1999	ICP-MS
Tot-Iron(AA)	1.02	mg/L	0.03	8/05/1999	ICP-MS
Tot-Manganese(ICP-MS)	94.6	ug/L	1.0	8/06/1999	ICP-MS
Tot-Nickel(ICP-MS)	15.7	ug/L	1.0	8/06/1999	ICP-MS
Tot-Lead(ICP-MS)	1.8	ug/L	1.0	8/06/1999	ICP-MS
Tot-Zinc(ICP-MS)	247.0	ug/L	10.0	8/06/1999	ICP-MS

SURVEILLANCE NETWORK PROGRAM
TESTS RESULTS
AUGUST 1999

SNP 87-2
SNP 87-5
SNP 87-7

SNP 87-6 Dry

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 991948

SAMPLE INFORMATION

Our Lab#: 991948
Your Sample ID: 87-2
Sample Matrix:

PROJECT:

Collection:
Location: SNP-2
Date: 8/30/99
By: Chris Freda/A Sa

Received Date: 8/31/99
Report Date: 05-Oct-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
991948						
	pH	7.29	pH	0.05	9/01/99	010301
	Tot-Suspended-Solids	43	mg/L	3	9/28/99	EC10406
	Ammonia-N	21.4	mg/L	0.005	9/03/99	EC7557
	Bio-Oxy-Demand	96	mg/L	2	8/31/99	08208
	Faecal_Coliform	700000	CFU/dL	1	8/31/99	036014

TAIGA ENVIRONMENTAL LABORATORY

Post-it™ Fax Note 7671E	Date NOV 1 # of pages ▸ 5
To Chris Freda	From Bill Coedy
Co./Dept. Muni of Iqaluit	Co. TAIGA Lab
Phone #	Phone #
Fax # 867 979-4164	Fax #

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

: Chris Freda

SAMPLE INFORMATION

Our Lab#: 991949

Your Sample ID: SNP 87- 5

Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:

Location: SNP 87- 5

Date: 8/30/99

By: C.Freda/A.Savar

Received Date: 9/1/99

Report Date: 28-Oct-99

Approved By: W Coedy

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
991949							
	pH		7.65	pH	0.05	9/10/99	010301
	Conductivity		94.8	uS/cm	0.3	9/03/99	02041
	Calcium		15.2	mg/L	0.05	9/02/99	EC20003
	Magnesium		1.55	mg/L	0.01	9/02/99	012102
	Sodium		0.95	mg/L	0.02	9/04/99	011102
	Potassium		0.27	mg/L	0.02	9/04/99	EC19102
	Sulphate		6	mg/L	3	9/30/99	016306
	Tot-Suspended-Solids	<	3	mg/L	3	9/28/99	EC10406
	NO3-N+NO2-N		0.057	mg/L	0.008	9/10/99	07110
	Ammonia-N	<	0.005	mg/L	0.005	9/03/99	EC7557
	T-Phosphorous		0.010	mg/L	0.004	9/14/99	EC15411
	Phenols	<	2	ug/L	2	10/27/99	006536
	Tot-Arsenic(water)		L0.2	ug/L	0.2	9/13/99	EC33011
	Tot-Mercury(water)		L0.01	mg/L	0.01	9/08/99	080314

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 991949

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	9/14/99	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	9/14/99	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	9/14/99	ICP-MS
Tot-Copper(ICP/MS)	3.0	ug/L	2.0	9/14/99	ICP-MS
Tot-Iron(AA)	0.14	mg/L	0.03	9/02/99	ICP-MS
Tot-Manganese(ICP-MS)	10.1	ug/L	1.0	9/14/99	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	9/14/99	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	9/14/99	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10.0	9/14/99	ICP-MS

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 991950

SAMPLE INFORMATION

Our Lab#: 991950
Your Sample ID: SNP 87- 7
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87- 5; Iqaluit
Date: 8/30/99
By: C.Freda/A.Savar

Received Date: 9/1/99
Report Date: 28-Oct-99
Approved By: ____________

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
991950						
	pH	7.54	pH	0.05	9/01/99	010301
	Conductivity	5060	uS/cm	0.3	9/03/99	02041
	Calcium	15.8	mg/L	0.05	9/02/99	EC20003
	Magnesium	115	mg/L	0.01	9/02/99	012102
	Sodium	19.0	mg/L	0.02	9/04/99	011102
	Potassium	107	mg/L	0.02	9/04/99	EC19102
	Sulphate	1040	mg/L	3	9/30/99	016306
	Tot-Suspended-Solids	13	mg/L	3	9/28/99	EC10406
	NO3-N+NO2-N	0.017	mg/L	0.008	9/10/99	07110
	Ammonia-N	3.26	mg/L	0.005	9/03/99	EC7557
	T-Phosphorous	0.073	mg/L	0.004	9/14/99	EC15411
	Phenols	14.0	ug/L	2	10/27/99	006536
	Tot-Mercury(water)	L0.01	mg/L	0.01	9/08/99	080314
	Tot-Arsenic(water)	L0.2	ug/L	0.2	9/16/99	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 991950

Tot-Cadmium(ICP-MS)	0.3	ug/L	0.3	9/14/99	ICP-MS
Tot-Cobalt(ICP-MS)	4.5	ug/L	1.0	9/14/99	ICP-MS
Tot-Chromium(ICP-MS)	16.2	ug/L	3.0	9/14/99	ICP-MS
Tot-Copper(ICP/MS)	14.2	ug/L	2.0	9/14/99	ICP-MS
Tot-Iron(AA)	3.96	mg/L	.03	9/02/99	ICP-MS
Tot-Manganese(ICP-MS)	1250	ug/L	1.0	9/15/99	ICP-MS
Tot-Nickel(ICP-MS)	20.4	ug/L	1.0	9/14/99	ICP-MS
Tot-Lead(ICP-MS)	1.3	ug/L	1.0	9/14/99	ICP-MS
Tot-Zinc(ICP-MS)	327.0	ug/L	10.0	9/14/99	ICP-MS

SURVEILLANCE NETWORK PROGRAM
TESTS RESULTS
SEPTEMBER 1999

SNP 87-2
SNP 87-5
SNP 87-7

SNP 87-6 Dry

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 992368

SAMPLE INFORMATION

Our Lab#: 992368
Your Sample ID: SNP 87- 2
Sample Matrix: Sewage

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87- 2 ;Iqaluit
Date: 9/27/99
By: Freda

Received Date: 9/28/99
Report Date: 28-Oct-99
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
992368						
	pH	7.21	pH	0.05	9/29/99	010301
	Tot-Suspended-Solids	24	mg/L	3	10/28/99	EC10406
	Ammonia-N	29.8	mg/L	0.005	10/04/99	EC7557
	Bio-Oxy-Demand	165	mg/L	2	9/28/99	08208
	Faecal_Coliform	850000	CFU/dL	1	9/28/99	036014

TAIGA ENVIRONMENTAL LABORATORY To: IQALUIT

Post-it Fax Note 7671	Date 2 NOV ...
To Chris Freda	From
Co./Dept. Mun. Iqaluit	Co. TAIGA LAB
Phone #	Phone #
Fax # 867 979 4166	Fax #

BOX 460

IQALUIT NT. X0A_0H0

Chris Freda

SAMPLE INFORMATION

Our Lab#: 992372

Your Sample ID: WTP raw water : SNP 1

Sample Matrix: water

PROJECT: raw water

Received Date: 9/28/99

Report Date: 29-Oct-99

Approved By: [signature]

Collection:

Location: WTP; Iqaluit; SNP1

Date: 9/27/99

By: Freda

- SAMPLE ANALYSIS REPORT -

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
992372							
	Fluoride		L0.05	mg/L	0.05	9/29/99	000105
	Alkalinity		9.9	mg/L	0.3	9/29/99	010101
	Turbidity		0.9	NTU	0.1	10/13/99	002081
	Tot-Suspended-Solids	<	3	mg/L	3	10/28/99	EC10406
	Tot-Diss-Solids		20.0	mg/L	10.0	10/27/99	EC10451
	Chloride		0.2	mg/L	0.2	10/01/99	17206
	Sulphate		3	mg/L	3	9/30/99	016306
	NO3-N+NO2-N	<	0.008	mg/L	0.008	10/07/99	07110
	Nitrate-N	<	0.008	mg/L	0.008	10/07/99	TAA
	Tot.Cyanide(low)		L0.001	mg/L	0.001	10/25/99	06612
	Phenols	<	2	ug/L	2	10/27/99	006536
	Oil&Grease		not required	mg/L	0.2	10/18/99	006524
	Tot-TriHaloMethanes(water	<	0.005	ug/mL	0.005	10/05/99	EPA624
	Tot-Arsenic(water)		L0.2	ug/L	0.2	10/07/99	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 992372

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	10/12/99	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3.0	10/12/99	ICP-MS
Tot-Copper(ICP/MS)	8.0	ug/L	2.0	10/12/99	ICP-MS
Tot-Manganese(ICP-MS)	13.0	ug/L	1.0	10/12/99	ICP-MS
Tot-Iron(AA)	0.11	mg/L	0.02	10/01/99	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10.0	10/12/99	ICP-MS
Tot-Barium(ICP-MS)	1.4	ug/L	1.0	10/12/99	100139
Tot. Silver - ICP/MS	L0.3	ug/L	0.3	10/12/99	100131
Tot-Selenium(ICP-MS)	L10	ug/L	10.0	10/12/99	100125

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 992370

SAMPLE INFORMATION

Our Lab#: 992370
Your Sample ID: SNP 87- 5
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87- 5 ; Iqaluit
Date: 9/27/99
By: Freda

Received Date: 9/28/99
Report Date: 17-Nov-99
Approved By: [signature]

SAMPLE ANALYSIS REPORT

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
992370							
	pH		7.96	pH	0.05	9/29/99	010301
	Conductivity		113	uS/cm	0.3	9/29/99	02041
	Calcium		18.2	mg/L	0.05	9/29/99	EC20003
	Magnesium		1.79	mg/L	0.01	9/29/99	012102
	Sodium		1.14	mg/L	0.02	9/29/99	011102
	Potassium		0.37	mg/L	0.02	9/29/99	EC19102
	Sulphate		8	mg/L	3	9/30/99	016306
	Tot-Suspended-Solids	<	3	mg/L	3	10/28/99	EC10406
	NO3-N+NO2-N		0.118	mg/L	0.008	10/07/99	07110
	Ammonia-N	<	0.005	mg/L	0.005	10/04/99	EC7557
	T-Phosphorous		0.008	mg/L	0.004	10/05/99	EC15411
	Phenols		3	ug/L	2	10/27/99	006536
	Tot-Mercury(water)		L0.01	ug/L	0.01	10/27/99	080314
	Tot-Arsenic(water)		6.5	ug/L	0.2	10/07/99	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A 0H0

Att'n: Chris Freda

LAB# 992370

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	10/12/99	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3	10/12/99	ICP-MS
Tot-Copper(ICP-MS)	L2	ug/L	2.0	10/12/99	ICP-MS
Tot-Iron(AA)	0.070	mg/L	0.012	10/01/99	ICP-MS
Tot-Manganese(ICP-MS)	4.0	ug/L	1.0	10/12/99	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10	10/12/99	ICP-MS

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 991950

SAMPLE INFORMATION

Our Lab#: 991950
Your Sample ID: SNP 87- 7
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87- 5; Iqaluit
Date: 8/30/99
By: C.Freda/A.Savar

Received Date: 9/1/99
Report Date: 18-Apr-00
Approved By: [signature]

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
991950						
	pH	7.54	pH	0.05	9/01/99	010301
	Conductivity	5060	uS/cm	0.3	9/03/99	02041
	Calcium	15.8	mg/L	0.05	9/02/99	EC20003
	Magnesium	115	mg/L	0.01	9/02/99	012102
	Sodium	19.0	mg/L	0.02	9/04/99	011102
	Potassium	107	mg/L	0.02	9/04/99	EC19102
	Sulphate	1040	mg/L	3	9/30/99	016306
	Tot-Suspended-Solids	13	mg/L	3	9/28/99	EC10406
	NO3-N+NO2-N	0.017	mg/L	0.008	9/10/99	07110
	Ammonia-N	3.26	mg/L	0.005	9/03/99	EC7557
	T-Phosphorous	0.073	mg/L	0.004	9/14/99	EC15411
	Phenols	14.0	ug/L	2	10/27/99	006536
	Tot-Arsenic(water)	L0.2	ug/L	0.2	9/16/99	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 991950

Tot-Mercury(water)	L0.01	mg/L	0.01	9/08/99	080314
Tot-Cadmium(ICP-MS)	0.3	ug/L	0.3	9/14/99	ICP-MS
Tot-Cobalt(ICP-MS)	4.5	ug/L	1.0	9/14/99	ICP-MS
Tot-Chromium(ICP-MS)	16.2	ug/L	3.0	9/14/99	ICP-MS
Tot-Copper(ICP/MS)	14.2	ug/L	2.0	9/14/99	ICP-MS
Tot-Iron(AA)	3.96	mg/L	.03	9/02/99	ICP-MS
Tot-Manganese(ICP-MS)	1250	ug/L	1.0	9/15/99	ICP-MS
Tot-Nickel(ICP-MS)	20.4	ug/L	1.0	9/14/99	ICP-MS
Tot-Lead(ICP-MS)	1.3	ug/L	1.0	9/14/99	ICP-MS
Tot-Zinc(ICP-MS)	327.0	ug/L	10.0	9/14/99	ICP-MS

SURVEILLANCE NETWORK PROGRAM
TESTS RESULTS
OCTOBER 1999

SNP 87-2
SNP 87-5
SNP 87-6 Frozen
SNP 87-7 Frozen

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

Post-it™ Fax Note 7671E [redacted]
[redacted] | From 6 pages.
Co./Dept. Chris Freda. | [redacted]
[redacted] | Phone #
Fax # (867)-979-4166 | [redacted]

LAB# 992697

SAMPLE INFORMATION

Our Lab#: 992697
Your Sample ID: [illegible]
Sample Matrix: effluent

PROJECT:

Collection:
Location: Iqaluit
Date: 10/25/99
By: Chris Freda

Received Date: 10/26/99
Report Date: 17-Nov-99
Approved By: (signature)

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
992697						
	pH	7.12	pH	0.05	10/27/99	010301
	Tot-Suspended-Solids	366	mg/L	3	11/09/99	EC10406
	Ammonia-N	30.6	mg/L	0.005	11/10/99	EC7557
	Faecal_Coliform	800000	CFU/dL	1	10/27/99	036014
	Bio-Oxy-Demand	95	mg/L	2	11/02/99	08208

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 992370

SAMPLE INFORMATION

Our Lab#: 992370
Your Sample ID: [redacted]
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Collection:
Location: SNP 87- 5 ; Iqaluit
Date: 9/27/99
By: Freda

Received Date: 9/28/99
Report Date: 17-Nov-99
Approved By: [signature]

SAMPLE ANALYSIS REPORT

Lab#	Test		Result	Units	Detection Limit	Analysis Date	Analytical Method
992370							
	pH		7.96	pH	0.05	9/29/99	010301
	Conductivity		113	uS/cm	0.3	9/29/99	02041
	Calcium		18.2	mg/L	0.05	9/29/99	EC20003
	Magnesium		1.79	mg/L	0.01	9/29/99	012102
	Sodium		1.14	mg/L	0.02	9/29/99	011102
	Potassium		0.37	mg/L	0.02	9/29/99	EC19102
	Sulphate		8	mg/L	3	9/30/99	016306
	Tot-Suspended-Solids	<	3	mg/L	3	10/28/99	EC10406
	NO3-N+NO2-N		0.118	mg/L	0.008	10/07/99	07110
	Ammonia-N	<	0.005	mg/L	0.005	10/04/99	EC7557
	T-Phosphorous		0.008	mg/L	0.004	10/05/99	EC15411
	Phenols		3	ug/L	2	10/27/99	006536
	Tot-Mercury(water)		L0.01	ug/L	0.01	10/27/99	080314
	Tot-Arsenic(water)		6.5	ug/L	0.2	10/07/99	EC33011

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

To: IQALUIT

BOX 460

IQALUIT NT. X0A_0H0

Att'n: Chris Freda

LAB# 992370

Tot-Cadmium(ICP-MS)	L0.3	ug/L	0.3	10/12/99	ICP-MS
Tot-Cobalt(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Chromium(ICP-MS)	L3	ug/L	3	10/12/99	ICP-MS
Tot-Copper(ICP/MS)	L2	ug/L	2.0	10/12/99	ICP-MS
Tot-Iron(AA)	0.070	mg/L	0.012	10/01/99	ICP-MS
Tot-Manganese(ICP-MS)	4.0	ug/L	1.0	10/12/99	ICP-MS
Tot-Nickel(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Lead(ICP-MS)	L1	ug/L	1.0	10/12/99	ICP-MS
Tot-Zinc(ICP-MS)	L10	ug/L	10	10/12/99	ICP-MS

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

To: IQALUIT
BOX 460
IQALUIT NT. X0A_0H0
Att'n: Chris Freda

LAB# 992371

SAMPLE INFORMATION

Our Lab#: 992371
Your Sample ID: SNP 87- 7 FROZEN
Sample Matrix: WATER

PROJECT: SNP Iqaluit

Received Date: 9/28/99
Report Date: 17-Nov-99
Approved By: [signature]

Collection:
Location: SNP 87- 5 ; Iqaluit
Date: 9/27/99

Major Works Completed in 1999

- Completion of Lower Base Water and Sewer Lines
- Completion of Nunavut Government building water and sewer mains

Minor Works Completed in 1999

- Located and repaired minor water leaks between the following access vaults
    1. AV 229 – AV 228
    2. 2" ATCO Loop building 222
    3. 4" service connection Pairnavik building
    4. AV 402 and 404

- Located and repaired collapsed sewer line between AV 223 and AV 224
- Installed Safety signs around Lake Geraldine
- Dam face inspected by a diver, inspection resulted in 2" intakes being plugged with rubber stops.

Anticipated Work planned for 2000

- Completion of new sewage treatment facility
- Completion of upgrades to Water Treatment Plant
- Completion and Commissioning of the water and sewer mains at the Road to Nowhere 100 lot subdivision.
- Locate and repair sewer main collapse between AV 205 and AV 206

Municipality of Iqaluit

Box 460
Iqaluit, Nunavut
X0A 0H0
Ph (867) 979-5649
Fx (867) 979-4166

October 4, 1999

Nicole Ritchie
Environmental Health Officer
Fax (867) 979-7659

Re: Lower Base Water and Sewer Mains.

Dear Nicole Ritchie:

This letter is to inform you of the installation of a new section of water and sewer pipe.

The new section is located in the Lower Base area of Iqaluit and will run from existing A.V. 207 to A.V. 404. The water main prior to connection to the existing system was hypo chlorinated by Tower Arctic and then tested by the Municipality of Iqaluit.

The results were as follows:

*Chlorine total too high for tester during hypo chlorinating. (Contact time 24hr.)

After flushing lines twice.

Total chlorine .40Mg/L
Free chlorine .28Mg/L

This section of piping is now in service. If you have any questions please feel free to contact me.

Sincerely,

Chris Freda
Utilidor Foreman
Municipality of Iqaluit

cc: Tower Arctic
O.M.M. Eng.