

WATER LICNECE # N5L3-00870
REPORT 1999
NUNAVUT WATER BOARD
GJOA HAVEN, NU
X0A 1J0

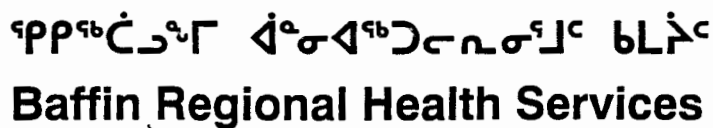


**HEALTH BOARD REPORTS
JANUARY - DECEMBER 1999**



Lab Date: 20 01 99

MAEA - MICHAEL BERTOL
DIAND - PAUL SMITH
SAO - JOHN RAYENST



To:

Rock Burton

Date: 25/02/99

Municipality of Igloolik

Sample Date: 24/02/99

From:

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

Lab Date: 24/02/99

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

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 Segel

Environmental Health Officer

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



Rock Burton
Municipality of Igloolik

Sample Date: 25/3/99

Lab Date: 25/3/19

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

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.

Bonnie Segel

cc: MICHELE BERTOL, MACA
PAUL SMITH, DIAND
JOHN RAYCROFT, IGALWIT TOWN
MANAGER



Lab Date: 21/04/99

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

Environmental Health Officer



Lab Date: 19/05/99

cc: Paul Smithy WRO-DIAND
Doug Sitland - CGH + T



Lab Date: 17/06/99

Environmental Health Officer



SEP 0 1964

Municipality of Iqaluit

[illegible]

Regards,

Nicole Fletcher

Cc:

ANDRÉ SAVARD -
PLANT OPERATOR



$\Delta^b \supset \Delta^c$

To:

DIRECTOR, PUBLIC WORKS
MUNICIPALITY OF BALLET
WATER TREATMENT

Date: 16/09/99

Sample Date: 15/09/99

From:

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

Lab Date: 15/09/99
ces Board

SUBMITTED WATER SAMPLE RESULTS

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

[illegible]

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 Retcher

Environmental Health Officer

Cc:

ANDRE SAVARD - OPERA
CHRIS FREDAL - UTILITY
CCT - DOUG STRAND
DIAND - PAUL SMITH



Lab Date: Nov. 17/99

Doug Sitland C.B. & T.



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

Lab Date: Dec. 14/99

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

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.

Dave MacNeil

RECEIVED
DEC 17 1999
MUNICIPALITY OF IQALUIT

Cc: *Wesley - Diard*
Doug Siskind -
CH24T

ANALYSIS REPORT

PAH'S (Tier 1)

PCB'S (Total)

ETL Enviro-Test

A DIVISION OF ETL CHEMSPEC ANALYTICAL LIMITED

Edmonton (Main)

131 57 Avenue
Edmonton, AB
T5C 0P5
Tel: (780) 413-5227
Fax: (780) 437-2311

Edmonton (Downtown)

10158 - 103 Street
Edmonton, AB
T5C 0X6
Tel: (780) 413-5265
Fax: (780) 424-4602

Calgary

1313 - 44th Ave. N.E.
Calgary, AB
T2C 6L5
Tel: (403) 291-9897
Fax: (403) 291-0298

Grande Prairie

111 Street
Grande Prairie, AB
T6V 5W1
Tel: (780) 539-5196
Fax: (780) 513-2191

Saskatoon

24 Veterinary Road
Saskatoon, SK
S7N 5E3
Tel: (306) 668-8370
Fax: (306) 668-8383
1-800-667-7645

Winnipeg

245 Logan Avenue
Winnipeg, MB
R3F 2L5
Tel: (204) 945-3705
Fax: (204) 945-0763

Thunder Bay

13 Barton Street
Thunder Bay, ON
P7B 5N3
Tel: (807) 623-6463
Fax: (807) 623-7598

National Toll Free Phone:

1-800-668-9878

Northern Canada Fax:

1-800-286-7319

CHEMICAL ANALYSIS REPORT

MUNICIPALITY OF IQALUIT
BOX 460
IQALUIT NT X0A 0H0

DATE: August 6, 1999

ATTN: CHRIS FRED A

Lab Work Order #: E907E87

Sampled By: CF

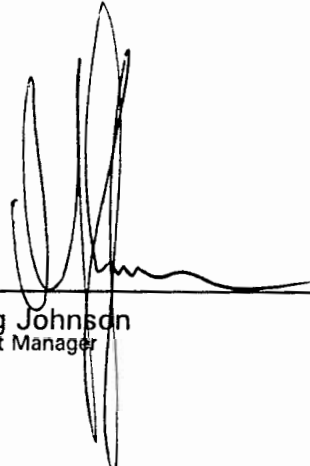
Project Reference: 991554

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)

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:

<u>Laboratory</u>	<u>Test Code # *</u>	<u>Laboratory</u>	<u>Test Code# *</u>
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:

R. D. L. L.

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 Insects: - Absent, + Present,
++ Low, +++ Medium, ++++ High

COMMENTS

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

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

Analyst:

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, +++ Medium, ++++ High

COMMENTS

Please note address change for future shipping.

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

Analyst:

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	<i>Giardia</i>	<i>Crypto.</i>
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



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

24-Hour Report Line
24-ᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ
Phone/ᐃᓪᓴᓄᓐ (403) 920-8130
Fax/ᐃᓪᓴᓄᓐ (403) 873-6924

A Report date and time ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ 12:30 PM APRIL 5 99		B Date and time of spill (if known) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ 12:00 APRIL 5/99		C ☒ Original report ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ☐ Update no. _____ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ		Spill number ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ	
D Location and map coordinates (if known) and direction (if moving) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ BETWEEN M.H. 70 → M.H. 71 Hb # 543							
E Party responsible for spill ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ Municipality of Igloodit.							
F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ SEWAGE 5 M ³ 100 LITRES							
G Cause of spill ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ LINE BLOCKAGE							
H Is spill terminated? ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ☒ yes/ᐃ ☐ no/ᐃᓪᓴᓄᓐ		I If spill is continuing, give estimated rate ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ N/A		J Is further spillage possible? ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ☐ yes/ᐃ ☒ no/ᐃᓪᓴᓄᓐ		K Extent of contaminated area (in square metres if possible) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ 5 M ²	
L Factors affecting spill or recovery (weather conditions, terrain, snow cover, etc.) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ NATURAL DEPRESSION SNOW COVER				M Containment (natural depression, dykes, etc.) ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ			
N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ WILL MIX SNOW WITH SEWAGE AND REMOVE TO SEWAGE LAGOON.							
O Do you require assistance? ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ☒ no ☐ yes, describe: ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ				P Possible hazards to persons, property, or environment; eg: fire, drinking water, fish or wildlife ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ N/A			
Q Comments and/or recommendations ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ TWO DUMP TRUCK FULL						FOR SPILL LINE USE ONLY ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ Lead Agency ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ Spill significance ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ Lead Agency contact and time ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ Is this file now closed? ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ	
Reported by ᐃᓪᓴᓄᓐ Chris Frenn		Position, Employer, Location ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ LITLWICK FRENCH Igloodit		Telephone ᐃᓪᓴᓄᓐ 217 171 7074			
Reported to ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ		Position, Employer, Location ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ ᐃᓪᓴᓄᓐ		Telephone ᐃᓪᓴᓄᓐ			

**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

PROJECT: muni -SNP

Your Sample ID: 87-2

Sample Matrix: sewage

Collection:

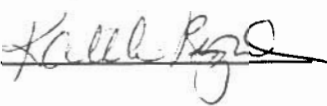
Location: Muni of Iqaluit

Date: 6/23/1999

By: C.Freda

Received Date: 24-June-99

Report Date: 17-Jul-99

Approved By: 

- 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

PROJECT: MOU 1999

Your Sample ID: 87-01

Sample Matrix: raw water

Collection:

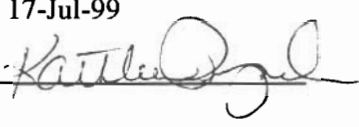
Location: SNP 87-01; Iqaluit

Date: 6/23/1999

By: C.Freda

Received Date: 24-June-99

Report Date: 17-Jul-99

Approved By: **- 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

To: IQALUIT

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

BOX 460

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

IQALUIT

NT. X0A_0H0

Fax: (867) 669-2718

Att'n: Chris Freda

LAB# 990939

SAMPLE INFORMATION

Our Lab#: 990939

PROJECT: MOU 1999

Your Sample ID: 87-06

Sample Matrix: water

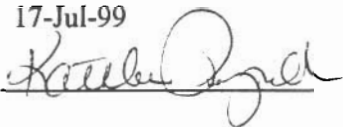
Collection:

Received Date: 24-June-99

Location: SNP 87-06; Iqaluit

Report Date: 17-Jul-99

Date: 6/23/1999

Approved By: 

By: C.Freda

- 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

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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

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To: IQALUIT

BOX 460

IQALUIT

NT. X0A_0H0

Att'n: Chris Freda

LAB# 990940

SAMPLE INFORMATION

Our Lab#: 990940

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87-7

Sample Matrix: WATER

Collection:

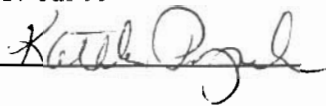
Location: SNP 87-7 Iqaluit

Date: 6/23/1999

By: C.Freda

Received Date: 24-June-99

Report Date: 17-Jul-99

Approved By: 

- 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

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Att'n: Chris Freda

NT. X0A_0H0

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

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To: IQALUIT

BOX 460

IQALUIT

NT. X0A_0H0

Att'n: Chris Freda

LAB# 990941

SAMPLE INFORMATION

Our Lab#: 990941

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87-5

Sample Matrix: WATER

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: **- 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

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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

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Dept. Indian Affairs & Northern Development
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To: IQALUIT

BOX 460

IQALUIT

Att'n: Chris Freda

NU X0A_OH0

LAB# 991463

SAMPLE INFORMATION

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

PROJECT:

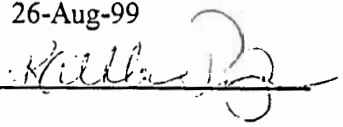
Collection:

Received Date: 29-July-99

Location:

Report Date: 26-Aug-99

Date: 7/28/1999

Approved By: 

By: Chris Freda

- 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

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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

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Fax: (867) 669-2718

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

NU X0A_0H0

LAB# 991464

SAMPLE INFORMATION

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

PROJECT:

Collection:

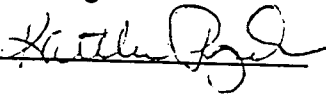
Location:

Date: 7/28/1999

By: Chris Freda

Received Date: 29-July-99

Report Date: 30-Aug-99

Approved By: 

- 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

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IQALUIT

NU X0A_OH0

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

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To: IQALUIT

BOX 460

IQALUIT

NT. X0A_0H0

Att'n: Chris Freda

LAB# 991948

SAMPLE INFORMATION

Our Lab#: 991948

PROJECT:

Your Sample ID: 87-2

Sample Matrix:

Collection:

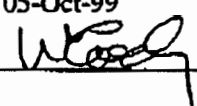
Location: SNP-2

Date: 8/30/99

By: Chris Freda/A Sa

Received Date: 8/31/99

Report Date: 05-Oct-99

Approved By: **- 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

To: IQUALUIT

Post-it™ Fax Note	7671E	Date	Nov 1	# of pages	5
To	Chris Freda	From	B. U. Coody		
Co./Dept.	Min. of Igualuit	Co.	TAIGA Lab		
Phone #		Phone #			
Fax #	979-4166	Fax #			

BOX 460

IQUALUIT

NT. X0A_0H0

i: Chris Freda

SAMPLE INFORMATION

Our Lab#: 991949

PROJECT: SNP Iqualuit

Your Sample ID: SNP 87- 5

Sample Matrix: WATER

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. Coody

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)	1.07	ug/l	0.2	9/13/99	EC33011
	Tot-Mercury(water)	10.01	mg/L	0.01	9/08/99	080314

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To: IQALUIT

Dept. Indian Affairs & Northern Development

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NT. X0A_0H0

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Att'n: Chris Freda

LAB# 991949

Tot-Cadmium(ICP-MS)	L0.3	ng/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

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To: IQUALUIT

BOX 460

IQUALUIT

NT. X0A_0H0

Att'n: Chris Freda

LAB# 991950

SAMPLE INFORMATION

Our Lab#: 991950

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87- 7

Sample Matrix: WATER

Collection:

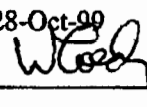
Location: SNP 87- 5; Iqaluit

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)	LO.01	mg/L	0.01	9/08/99	080314
	Tot-Arsenic(water)	LO.2	ug/L	0.2	9/16/99	EC33011

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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

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87- 2

Sample Matrix: Sewage

Collection:

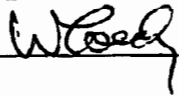
Location: SNP 87- 2 ;Iqaluit

Date: 9/27/99

By: Freda

Received Date: 9/28/99

Report Date: 28-Oct-99

Approved By: **- 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

TALGA ENVIRONMENTAL LABORATORY

To: IQALUIT

POST HERE	TITLE	Ref: TA 99-001
To: Chris Freda	From: NOV	
Co./Dept: Muni Iqaluit	Co: TALGA LAB	
Phone #	Phone #	
Fax # 867 979 4116	Fax #	

BOX 460

IQALUIT

NT. X0A_OH0

Chris Freda

SAMPLE INFORMATION

Our Lab#: 992372

PROJECT: raw water

Your Sample ID: WTP raw water : SNP 1

Sample Matrix: water

Collection:

Location: WTP; Iqaluit; SNP1

Date: 9/27/99

By: Freda

Received Date: 9/28/99

Report Date: 29-Oct-99

Approved By: W. Freda

SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
992372	Fluoride	1.005	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)	LO.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)	LO.2	ug/L	0.2	10/07/99	EC33011

TAIGA ENVIRONMENTAL LABORATORY

To: IQALUIT

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

BOX 460

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

IQALUIT

NT. X0A_0H0

Fax: (867) 669-2718

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

To: IQALUIT

Dept. Indian Affairs & Northern Development

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BOX 460

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

IQALUIT

NT. X0A_0H0

Fax: (867) 669-2718

Att'n: Chris Freda

LAB# 992370

SAMPLE INFORMATION

Our Lab#: 992370

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87- 5

Sample Matrix: WATER

Collection:

Received Date: 9/28/99

Location: SNP 87- 5 ; Iqaluit

Report Date: 17-Nov-99

Date: 9/27/99

Approved By: W. Freda

By: Freda

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)	LO.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**To: IQALUIT****Dept. Indian Affairs & Northern Development****4601-52 nd Ave., Box 1500****BOX 460****Yellowknife, NT. X1A 2R3****Tel. (867) 669-2788****IQALUIT****NT. X0A_OHO****Fax: (867) 669-2718****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

PROJECT: SNP Iqaluit

Your Sample ID: SNP 87- 7

Sample Matrix: WATER

Collection:

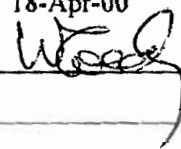
Location: SNP 87- 5; Iqaluit

Date: 8/30/99

By: C.Freda/A.Savar

Received Date: 9/1/99

Report Date: 18-Apr-00

Approved By: **- 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

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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

From

6 pages.

Co./Dept. Chris Freda.

Phone #

Fax # (867) - 979-4166

LAB# 992697

SAMPLE INFORMATION

Our Lab#: 992697

PROJECT:

Your Sample ID: 34

Sample Matrix: effluent

Collection:

Location: Iqaluit

Date: 10/25/99

By: Chris Freda

Received Date: 10/26/99

Report Date: 17 November 99

Approved By: W. O. O.**- 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

To: IQUALUIT

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

BOX 460

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

IQUALUIT

NT. X0A_0H0

Fax: (867) 669-2718

Att'n: Chris Freda

LAB# 992370

SAMPLE INFORMATION

Our Lab#: 992370

PROJECT: SNP Iqaluit

Your Sample ID: ~~SNP 87-5~~

Sample Matrix: WATER

Collection:

Received Date: 9/28/99

Location: SNP 87-5 ; Iqaluit

Report Date: 17-Nov-99

Date: 9/27/99

Approved By: W. Freda

By: Freda

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)	10.01	ug/L	0.01	10/27/99	080314
	Tot-Arsenic(water)	6.5	ug/L	0.2	10/07/99	EC33011

TAIGA ENVIRONMENTAL LABORATORY**To: IQALUIT**

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

BOX 460

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

IQALUIT

NT. X0A_0H0

Fax: (867) 669-2718

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

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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

Sample Matrix: WATER

PROJECT: SNP Iqaluit

*FROZEN***Conclusion:**

Location: SNP 87- 5 ; Iqaluit

Date: 9/27/99

Received Date: 9/28/99

Report Date: 17-Nov-99

Approved By:

W. Cook

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.