

R E P O R T

TOBACCO PLAINS BAND

Assessment Studies Water Systems and Associated Water Management Practices at Selected First Nation Communities

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

May 15, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Duty Free Shop	May 4/00	L 1	L 1	Satisfactory
Band Office Kitchen	May 4/00	1	L 1	Re-sample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

If you have any questions please contact me at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

May 23, 2000

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
[REDACTED]	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory
	May 8/00	L 1	L 1	Satisfactory

s.19(1)

s.19(1)

	May 8/00	L 1	L 1	Satisfactory
	May 8/00	EST 101	L 1	Marginal *Resample
	May 8/00	EST 37	L 1	Marginal *Resample
	May 8/00	17	L1	Marginal *Resample

s.19(1)

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
	May 8/00	18	17	Unsatisfactory ** Resample
	May 8/00	26	13	Unsatisfactory ** Resample
Band Hall, CWS	May 8/00	30	27	Unsatisfactory ** Resample
	May8/00	7	3	Unsatisfactory ** Resample
	May 8/00	24	13	Unsatisfactory ** Resample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

* Please resample all the sites that were unsatisfactory or marginal. The community water system with unsatisfactory results needs review. Please continue the boil advisory for persons using this community water system.

Please contact me at: (250) 470-5144 If you have any questions

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

June 19, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	June 19/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

If you have any questions please contact me at: (250) 470-5144.

Yours truly,

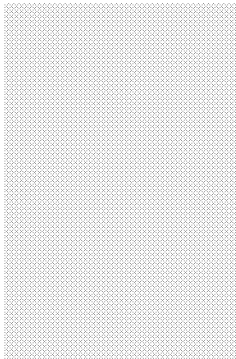
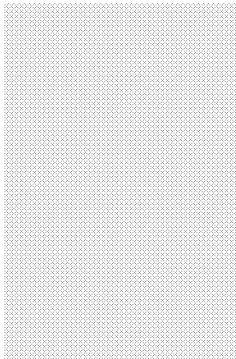
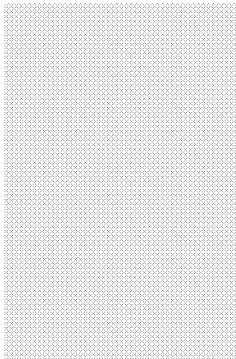
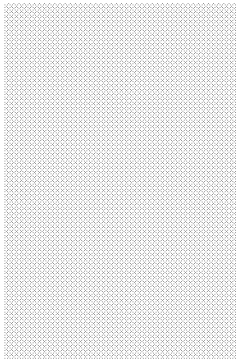
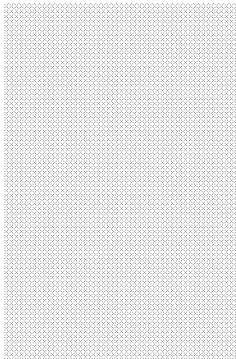
Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

To: Tobacco Plains Band
Fax #: (250) 887-3424
Re: Water Results
Date: July 16, 2001
Pages: 1, including this cover sheet.

FACSIMILE

I received a phone call late yesterday about about 19 water samples received by the Nelson water lab on Friday. Five of the samples had poor results:

	<u>Location</u>	<u>Total Coliform</u>	<u>Fecal Coliform</u>
s.19(1)		7	3
		30	27
		18	17
		26	13
		24	13

These results are unsatisfactory for drinking water and I recommend that all of these locations be re-sampled as soon as possible. Water from these locations should be boiled prior to consumption.

Please call me at (250) 470-5144 if you have any questions. I will be sending the full water results letter when I receive all the lab results.

Thanks

Grace

From the desk of...

Grace Maciver
Environmental Health Officer
Health Canada
Suite 313 - 471 Queensway Ave.
Kelowna, B.C. V1Y 6S5

(250) 470-5144
Fax: (250) 470-5128

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

July 31, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
[REDACTED]	July 17/00	L 1	L 1	Satisfactory
	July 17/00	L 1	L 1	Satisfactory
	July 17/00	L 1	L 1	Satisfactory
Band Hall, CWS	July 17/00	L 1	L 1	Satisfactory

s.19(1)

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

August 29, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Aug 21/00	2	L 1	*Resample
Band Hall Trailer, Reserve CWS	Aug 21/00	L 1	L 1	Satisfactory
s.19(1)	Aug 21/00	2	L 1	*Resample
	Aug 21/00	5	L 1	*Resample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

*Recommendations: Please resample from [REDACTED]

s.19(1)

Please contact me at: (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

September 11, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office Complex, CWS	Sep 5/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

September 13, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Sept 5/00	EST 27	L 1	*Resample
	Sept5/00	L 1	L 1	Satisfactory
	Sept5/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

*Recommendations: Please resample from [redacted] **s.19(1)**

Please contact me at: (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

September 26, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1) [REDACTED]	Sept17/00	L 1	L 1	Satisfactory
[REDACTED]	Sept17/00	28	L 1	*Resample
s.19(1) Band Hall, CWS	Sept17/00	6	L 1	*Resample
[REDACTED]	Sept17/00	7	L 1	*Resample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

s.19(1)

Recommendations: The results for the Band Hall, [REDACTED] were doubtful; please resample water from an alternate faucet these locations and if you have any question contact me at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

November 3, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Oct 30/00	L 1	L 1	Satisfactory
	Oct 30/00	L 1	L 1	Satisfactory
	Oct 30/00	L 1	L 1	Satisfactory
	Oct 30/00	L 1	L 1	Satisfactory
	Oct 30/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

October 10, 2000

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Oct 2/00	1	L 1	*Resample
	Oct 2/00	L 1	L 1	Satisfactory
	Oct 2/00	1	L 1	*Resample
Band Office [Sink in Trailer]	Oct 2/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

October 17, 2000

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks	
Reserve Community Water System					
s.19(1)		Oct10/00	10	1	*Unsatisfactory
		Oct10/00	9	L 1	Marginal
		Oct10/00	4	L 1	Marginal
	Band Hall	Oct10/00	3	L 1	Marginal
s.19(1)		Oct10/00	1	L 1	Marginal
		Oct10/00	L 1	L 1	Satisfactory
		Oct10/00	L 1	L 1	Satisfactory
	Pumphouse	Oct10/00	L 1	L 1	Satisfactory
s.19(1)		Oct10/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Recommendations: Please resample all the sites that were unsatisfactory or marginal and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

November 2, 2000

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Reserve Community Water System				
s.19(1)	Oct23/00	L 1	L 1	Satisfactory
	Oct23/00	L 1	L 1	Satisfactory
	Oct23/00	L 1	L 1	Satisfactory
Band Office Trailer	Oct23/00	L 1	L 1	Satisfactory
? Pumphouse	Oct23/00	L 1	L 1	Satisfactory
s.19(1)	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	L 1	L 1	Satisfactory
	Oct25/00	1	L 1	*Resample
Reservoir	Oct25/00	L 1	L 1	Satisfactory
Pumphouse - Pump Room	Oct25/00	3	L 1	*Resample
Pumphouse - Meter Room	Oct25/00	L 1	L 1	Satisfactory
Band Hall	Oct25/00	L 1	L 1	Satisfactory

s.19(1)

	Oct25/00	L 1	L 1	Satisfactory
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Recommendations: I recommend disinfecting the entire system with a chlorine shock [as per AWWA standards]. I also recommend that you consider the possibility of maintaining a residual of chlorine in the reservoir and the distribution system.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Circle Prairie				
Circle Prairie - Cistern	Oct25/00	4	L 1	* Resample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA,
File
Urban Systems, Attn: Christopher Guss

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

December 14, 2000

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1) [Redacted]	Dec11/00	L 1	L 1	Satisfactory
Band Office Trailer, CWS	Dec11/00	L 1	L 1	Satisfactory
[Redacted]	Dec11/00	L 1	L 1	Satisfactory
s.19(1) [Redacted]	Dec11/00	L 1	L 1	Satisfactory
[Redacted]	Dec11/00	L 1	L 1	Satisfactory
[Redacted]	Dec11/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

January 3, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Dec26/00	EST 1	L 1	*See note
	Dec26/00	EST 1	L 1	*See note
	Dec26/00	L 1	L 1	*See note
	Dec26/00	L 1	L 1	*See note
Band Office Trailer, ReserveCWS	Dec26/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth

*Notes: The lab results indicated high background colonies counts for all samples except the band office trailer. High background colonies may prevent accurate coliform counting [eg estimated counts]. Please resample from the above locations and contact me at: (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

January 12, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Remarks
s.19(1)	Jan8/00	L 1.1	
Band Office trailer, Reserve CWS	Jan8/00	L 1.1	
s.19(1)	Jan8/00	L 1.1	

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

January 30, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

Re: CHEMICAL WATER QUALITY

Enclosed is a copy of the chemical analysis for the sample of the community water system taken by Nathalie Lapierre on January 5, 2001.

The water met the 'Guidelines for Canadian Drinking Water' for all parameters tested with the exception of turbidity. Turbidity is limited for health considerations in distribution systems that are disinfected and for aesthetic objectives for consumption.

Turbidity: measured at 1.57 nephelometric turbidity unit [NTU] the sample was above the maximum acceptable concentration of 1 NTU for water entering a distribution system. The turbidity level was below the aesthetic objective of 5 NTU. The health concern about higher turbidity levels is that it may compromise disinfection. Please note that the distribution system currently does not have residual disinfection. Turbidity in water is caused by suspended matter such as clay, silt, finely divided organic and inorganic matter, soluble coloured organic compounds, plankton and other microscopic organisms. Organic-based turbidity - usually associated with surface water supplies - can hinder disinfection and supply nutrients for bacterial growth. Ground water usually contains non-organic based turbidity which is less likely to affect disinfection and the water may be microbiologically safe - routine bacterial sampling will determine this.

Recommendations: Please continue routine bacteriological sampling and contact me at:(250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

January 12, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

	Sample Location	Date	Total Coliform	Remarks
s.19(1)	[REDACTED]	Jan8/00	L 1.1	Satisfactory
	Band Office trailer, Reserve CWS	Jan8/00	L 1.1	Satisfactory
s.19(1)	[REDACTED]	Jan8/00	L 1.1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

February 12, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	01/02/05	L 1	L 1	Satisfactory
	01/02/05	L 1	L 1	Satisfactory
Pumphouse, CWS	01/02/05	L 1	L 1	Satisfactory
s.19(1)	01/02/05	L 1	L 1	Satisfactory
	01/02/05	L 1	L 1	Satisfactory
	01/02/05	L 1	L 1	Satisfactory
	01/02/05	L 1	L 1	Satisfactory
Band Hall - upstairs	01/02/05	L 1	L 1	Satisfactory
Band Office Trailer	01/02/05	L 1	L 1	Satisfactory

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

February 13, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Stan Shottanana Circle Prairie CWS	01/02/07	EST 2	L 1	Marginal, resample
Duty Free Shop	01/02/07	L 1	L 1	Satisfactory
RESERVE COMMUNITY WATER SYSTEM				
Band Hall - Kitchen	01/02/07	L 1	L 1	Satisfactory
Band Office Trailer	01/02/07	L 1	L 1	Satisfactory
	01/02/07	L 1	L 1	Satisfactory
	01/02/07	L 1	L 1	Satisfactory

s.19(1)

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

February 19, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office Trailer, CWS	Feb 12/01	L 1	L 1	Satisfactory
	Feb 12/01	L 1	L 1	Satisfactory
	Feb 12/01	L 1	L 1	Satisfactory

s.19(1)

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

First Nations and Inuit Health
Environmental Health Services
#313 - 471 Queensway Ave
Kelowna, BC V1Y 6S5

February 26, 2001

Tobacco Plains Band
PO Box # 76
Grasmere BC V0B 1R0

Water Sample Report

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Feb 19/01	L 1	L 1	Satisfactory
	Feb19/01	L 1	L 1	Satisfactory
Band Office Trailer	Feb 19/01	L 1	L 1	Satisfactory

L = less than

Est = estimated count

OG = overgrowth

Please contact me if you have any questions, at (250) 470-5144

Yours Truly,

Grace Maciver, B.Sc, CPHI(C)
Environmental Health Officer

cc: CHA & file

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

March 5, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1) [REDACTED]	Feb 27/01	L 1	L 1	Satisfactory
Band Office Trailer, CWS	Feb 27/01	L 1	L 1	Satisfactory

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

March 23, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

s.19(1)

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
[REDACTED]	Mar 20/01	L 1	L 1	Satisfactory
Band Office Trailer, CWS	Mar 20/01	L 1	L 1	Satisfactory
[REDACTED]	Mar 20/01	L 1	L 1	Satisfactory
[REDACTED]	Mar 20/01	L 1	L 1	Satisfactory
[REDACTED]	Mar 20/01	L 1	L 1	Satisfactory
[REDACTED]	Mar 20/01	L 1	L 1	Satisfactory

s.19(1)

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

April 5, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

	Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)		Apr 2/01	L 1	L 1	Satisfactory
	Band Office Trailer, CWS	Apr 2/01	L 1	L 1	Satisfactory
s.19(1)		Apr 2/01	L 1	L 1	Satisfactory
		Apr 2/01	L 1	L 1	Satisfactory

L = less than EST = estimated count OG = overgrowth

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA
 File
 INAC - Nathalie Lapierre

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

June 12, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Reserve Community Water System				
s.19(1) [Redacted]	June 4/01	2	L 1	*Resample
Band Hall Kitchen	June 4/01	2	L 1	*Resample
s.19(1) [Redacted]	June 4/01	1	L 1	*Resample
[Redacted]	June 4/01	1	L 1	*Resample

L = less than EST = estimated count OG = overgrowth

Recommendations: Please resample from all the sample sites and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

June 26, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C. V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

s.19(1)

s.19(1)

s.19(1)

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Reserve Community Water System				
[REDACTED]	June 20/01	1	1	*Resample
Reservoir	June 20/01	1	L 1	*Resample
Pumphouse	June 20/01	L 1	L 1	Satisfactory
[REDACTED]	June 20/01	L 1	L 1	Satisfactory
Band Hall Kitchen	June 20/01	L 1	L 1	Satisfactory
[REDACTED]	June 20/01	L 1	L 1	Satisfactory

L = less than EST = estimated count OG = overgrowth

s.19(1)

Recommendations: * Please resample water from the reservoir and from [REDACTED].
 [REDACTED] Please check the reservoir for possible sources of contamination and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

Page(s) 003321 to\à 003321

Is(are) under consultation

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

July 4, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample collected for the date shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Hillie Ignatius, Circle Prairie CWS	June 20	77	L 1	*Doubtful

L = less than EST = estimated count OG = overgrowth

Recommendations:* Please advise users of the Circle Prairie community water system to continue boiling their water before consumption. After Circle Prairie homes are connected to the new water system and we receive satisfactory water results the boil advisory will be removed.

Please contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

July 10, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

151-5-7-IR-85

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	July 3/01	2	1	*Unsatisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory

L = less than EST = estimated count OG = overgrowth

s.19(1)

Recommendations: Please resample from , [redacted] and contact me at: (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

cc: CHA & File

Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

July 10, 2001

151-5-7-IR-85

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	L 1	L 1	Satisfactory
	July 3/01	EST 17	L 1	*Resample
	July 3/01	EST 38	L 1	*Resample

L = less than EST = estimated count OG = overgrowth

s.19(1)

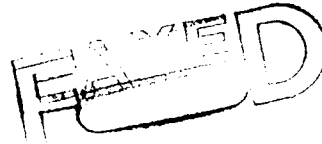
Recommendations: Please resample water from [redacted] homes and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer



Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6



August 30, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

Your file Votre référence

151-5-7-IR-85
 Our file Notre référence

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Reserve Community Water System				
Band Hall kitchen	Aug 20/01	9	L 1	*Resample
s.19	Aug 20/01	L 1	L 1	*See Note
	Aug 20/01	L 1	L 1	Satisfactory
	Aug 20/01	EST 130	L 1	*Resample
	Aug 20/01	3	L 1	*Resample

L = less than EST = estimated count OG = overgrowth

Recommendations: Four of the five samples showed either total coliform bacteria or background colonies - please resample from all the above sites, and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

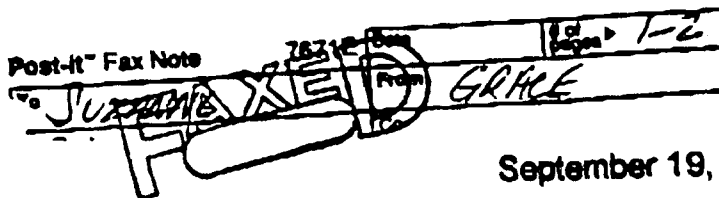
Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

cc: CHA & File



Health Canada

Santé Canada



Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

September 19, 2001

Tobacco Plains Band
P.O. Box # 76
Grasmere, B.C.
V0B 1R0

Your file Votre référence
151-5-7-IR-85
Our file Notre référence

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Reserve Community Water System				
s.19(1)	Sept 11/01	L 1	L 1	Satisfactory
	Sept 11/01	1	L 1	*Resample
Band Hall Kitchen	Sept 11/01	L 1	L 1	Satisfactory
s.19(1)	Sept 11/01	EST 1	L 1	*Resample

L = less than EST = estimated count OG = overgrowth s.19(1)

Recommendations: Please resample from [redacted] homes and contact me, if you have any questions, at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHA & File

Post-It™ Fax Note	7671E	Date	# of pages 3
To	DICK VEST	From	GRAVE
Co./Dept.	763-8880	Co.	



Environmental Health Services
 First Nations and Inuit Health
 # 313 - 471 Queensway Ave.
 Kelowna, BC V1Y 6S6

October 4, 2001

Tobacco Plains Band
 P.O. Box # 76
 Grasmere, B.C.
 V0B 1R0

Your file / Votre référence

151-5-7-IR-85 / Our file / Notre référence

FR

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office - kitchen	Sept25/01	L 1	L 1	Satisfactory
s.19(1) [Redacted]	Sept25/01	L 1	L 1	Satisfactory
	Sept25/01	L 1	L 1	Satisfactory
	Sept25/01	L 1	L 1	Satisfactory
	Sept25/01	L 1	L 1	Satisfactory
Pumphouse	Sept25/01	L 1	L 1	Satisfactory
s.19(1) [Redacted]	Sept25/01	1	L 1	*Resample

L = less than EST = estimated count OG = overgrowth

Recommendations: *Please resample water from two or three different taps in [Redacted] and contact me, if you have any questions, at: (250) 470-5144. s.19(1)

Yours truly,

Grace Maciver

Grace Maciver, B.Sc., C.P.H.I.(C)
 Environmental Health Officer

cc: CHA & File

