

**ASSESSMENT STUDY OF
WATER AND WASTEWATER SYSTEMS
AND ASSOCIATED
WATER MANAGEMENT PRACTICES
AT SQUALA**

**A
REPORT
TO
INDIAN AND NORTHERN AFFAIRS CANADA
BC REGION**

** *NovaTec Consultants Inc.*
*Environmental Engineers and Scientists***

April 2002

File No.: 1407.09/5

Appendix C

Water Testing Results

Page(s) 006326 to\à 006344

Is(are) under consultation

Page(s) 006345 to\à 006345

**Is(are) duplicate(s)
est(sont) (des) duplicata(s)**

Page(s) 006346 to\à 006356

Is(are) under consultation



Environmental Health Services
Indian and Northern Health
#106-9300 Nowell Street
Chilliwack, BC
V2P 2M7

Your file / Votre référence

December 21, 1995

Our file / Notre référence

Squiala Band Administration Office
P.O. Box 280
44974 Ashwell Road
Chilliwack, BC
V2P 6J7

151-5-7-IR82

Attention: Chief Mike Jimmie and Council

s.19(1)

Dear Chief and Council

RE: CHEMICAL WATER ANALYSIS RESULTS - [REDACTED] RESIDENCE

On October 10, 1995, a water sample was obtained for chemical analysis from the above residence, in response to concerns regarding water quality. For the parameters tested, the sample met the limits as set by the Canadian Drinking Water Guidelines, with the exception of manganese.

Manganese concentration was 0.104 mg/L. An upper limit of 0.05 mg/L has been set for manganese. However, this limit has only been made for aesthetic purposes, not health considerations. Water with manganese concentrations above the aesthetic limit may: have poor taste, cause staining of plumbing fixtures and laundry, result in the build up of a scaly material on pipes and plumbing fixtures.

The well head was also inspected on Oct. 10, 1995. Please refer to the attached letter for recommendations. A copy of the lab report is also attached for your records.

Could you please inform [REDACTED] of these results. If you have any questions regarding this report, or if we can be of further assistance, please contact this office at tel #792 - 8646.

Sincerely

Dana Swaren
Environmental Health Technician

cc: Sto:lo Nation
: INAC Vancouver



RESULTS OF ANALYSIS

File No. F4573

s.19(1)

95 10 10
14:00

Physical Tests

Colour	CU		<5.0
Conductivity (umhos/cm)			259
Total Dissolved Solids			170
Hardness	CaCO3		42.0
pH			8.50
Turbidity (NTU)			0.34

Dissolved Anions

Alkalinity - Total	CaCO3		105
Chloride	Cl		6.0
Fluoride	F		0.29
Sulphate	SO4		9.0

Nutrients

Nitrate Nitrogen	N		0.005
Nitrite Nitrogen	N		0.001

Total Metals

Aluminum	T-Al		<0.20
Arsenic	T-As		0.0019
Barium	T-Ba		0.087
Boron	T-B		0.10
Cadmium	T-Cd		<0.0002
Calcium	T-Ca		11.1
Chromium	T-Cr		<0.015
Copper	T-Cu		<0.010
Iron	T-Fe		0.035
Lead	T-Pb		<0.001
Magnesium	T-Mg		3.47
Manganese	T-Mn		0.104
Mercury	T-Hg		<0.00005
Potassium	T-K		1.64
Selenium	T-Se		<0.0005
Sodium	T-Na		47.2
Zinc	T-Zn		0.011

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except for pH.
 Conductivity (umhos/cm), Turbidity (NTU), and Colour (CU).
 < = Less than the detection limit indicated.