Analysis Report

CANTEST LTD.

Professional
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REPORT ON: Analysis of Water Samples

REPORTED TO: City of Parksville
Engineering and Operations Dpt
PO Box 1390
Parksville, BC
V9P 2H3

Att'n: Keith Dumond

CHAIN OF CUSTODY: VI12752

NUMBER OF SAMPLES: 2

REPORT DATE: November 14, 2006

DATE SUBMITTED: November 1, 2006

GROUP NUMBER: 71101043

SAMPLE TYPE: Drinking Water

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

Anions in Water by Ion Chromatography - was determined based on Method 4110 in Standard Methods (20th Edition) and EPA Method 300.0 (Revision 2.1).

Ammonia in Water - analysis was performed based on Standard Methods for the Examination of Water and Wastewater, 19th Ed. (1995); Method 4500-NH3.

Total Kjeldahl Nitrogen in Water - was determined based on Method 4500-N in Standard Methods (20th Edition) and Method X325 in the BC Laboratory Manual (1994 Edition).

Total Organic Carbon in Water - was determined based on Method 5310 A and B in Standard Methods (20th Edition) and Method X314 in the BC Laboratory Manual (1994 Edition).

Conventional Parameters - analyses were performed using procedures based on those described in the most current editions of "British Columbia Environmental Laboratory Manual for the Analysis of Water, Wastewater, Sediment and Biological Materials", Province of British Columbia and "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association.

Conventional Parameters - Victoria Laboratory (1104 - 4464 Markham Street, Victoria, BC V8Z 7X8): - Analyses performed at Cantest's Victoria facility follow procedures based on those described in the most current editions of "British Columbia Environmental Laboratory Manual" and "Standard Methods for the Examination of Water and Wastewater".

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CANTEST LTD.

Richard S. Jornitz
Supervisor, Inorganic Testing

Langelier Saturation Index - analysis was performed based on "Standard Methods for the Examination of Water and Wastewater", 20th Edition (1998), published by the American Public Health Association.

Metals in Water - analysis was performed using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP), Inductively Coupled Plasma-Mass Spectroscopy (ICP/MS).

Microbiological Parameters - analyses were performed using procedures based on those described in "B. C. Environmental Laboratory Manual For the Analysis of Water, Wastewater, Sediment and Biological Materials" (2003 Edition) and "Standard Methods for the Examination of Water and Wastewater", 20th Edition (1998). Analysis was performed at CANTEST Ltd. Victoria Laboratory (1104 - 4464 Markham Street, Victoria, BC, V8Z 7X8).

TEST RESULTS:

(See following pages)

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Conventional Parameters in Water

CLIENT SAMPLE IDENTIFICATION:		Pump Stn #1	River Stn	
DATE SAMPLED:		Oct 31/06	Oct 31/06	DETECTION LIMIT
CANTEST ID:		611010285	611010310	
Hardness (Total)	$CaCO_3$	61	38	1
Dissolved Fluoride	F	<	<	0.05
Dissolved Chloride	Cl	22.8	21.2	0.2
Dissolved Sulphate	SO_4	2.98	2.10	0.5
Total Organic Carbon	C	<	1.1	1
Ammonia Nitrogen	N	<	<	0.01
Total Kjeldahl Nitrogen	N	<	<	0.2
Total Nitrogen	N	0.3	<	0.2

Results expressed as milligrams per liter (mg/L)
< = Less than detection limit

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Metals Analysis in Water

CLIENT SAMPLE IDENTIFICATION:		Pump Stn #1	River Stn	
SAMPLE PREPARATION:		TOTAL	TOTAL	
DATE SAMPLED:		Oct 31/06	Oct 31/06	DETECTION LIMIT
CANTEST ID:		611010285	611010310	
Aluminum	Al	0.012	0.012	0.005
Antimony	Sb	<	<	0.001
Arsenic	As	<	<	0.001
Barium	Ba	0.007	0.008	0.001
Beryllium	Be	<	<	0.001
Bismuth	Bi	<	<	0.001
Boron	B	<	<	0.05
Cadmium	Cd	<	<	0.0002
Calcium	Ca	17.2	12.6	0.05
Chromium	Cr	<	<	0.001
Cobalt	Co	<	<	0.001
Copper	Cu	0.001	0.006	0.001
Iron	Fe	<	<	0.05
Lead	Pb	<	<	0.001
Lithium	Li	0.002	0.003	0.001
Magnesium	Mg	4.40	1.63	0.05
Manganese	Mn	0.002	0.004	0.001
Molybdenum	Mo	<	<	0.0005
Nickel	Ni	<	<	0.001
Phosphorus	P	<	<	0.15
Potassium	K	0.4	0.2	0.1
Selenium	Se	<	<	0.001
Silicon	Si	5.2	2.8	0.25
Silver	Ag	<	<	0.00025
Sodium	Na	7.90	7.20	0.05
Strontium	Sr	0.057	0.053	0.001
Tellurium	Te	<	<	0.001
Thallium	Tl	<	<	0.0001
Thorium	Th	<	<	0.0005
Tin	Sn	<	<	0.001
Titanium	Ti	<	<	0.001

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Metals Analysis in Water

CLIENT SAMPLE IDENTIFICATION:		Pump Stn #1	River Stn	
SAMPLE PREPARATION:		TOTAL	TOTAL	
DATE SAMPLED:		Oct 31/06	Oct 31/06	DETECTION LIMIT
CANTEST ID:		611010285	611010310	
Uranium	U	<	<	0.0005
Vanadium	V	0.001	<	0.001
Zinc	Zn	<	<	0.005
Zirconium	Zr	<	<	0.01

Results expressed as milligrams per liter (mg/L)
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Conventional Parameters-Victoria Laboratory- in Water

CLIENT SAMPLE IDENTIFICATION:		Pump Stn #1	River Stn		
DATE SAMPLED:		Oct 31/06	Oct 31/06	DETECTION LIMIT	UNITS
CANTEST ID:		611010285	611010310		
pH, Laboratory		7.0	6.8	0.1	pH units
Conductivity		177	129	1	µS/cm
True Color		<	<	5	CU
Turbidity		0.32	0.42	0.1	NTU
Total Dissolved Solids		109	78	1	mg/L
Alkalinity Total 4.5		45	23	2	mg/L
Nitrate and Nitrite	N	0.28	<	0.002	mg/L
Nitrate by UV	NO3	0.28	<	0.04	mg/L
Nitrite	N	<	<	0.002	mg/L
Tannin and Lignin		<	0.16	0.1	mg/L

µS/cm = microsiemens per centimeter
NTU = nephelometric turbidity units
< = Less than detection limit
CU = color units
mg/L = milligrams per liter

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Microbiological Analysis-Victoria Laboratory- in Water

CLIENT SAMPLE IDENTIFICATION:	Pump Stn #1	River Stn		
DATE SAMPLED:	Oct 31/06	Oct 31/06	DETECTION LIMIT	UNITS
CANTEST ID:	611010285	611010310		
Non-Coliform Bacteria	<	<	1	Col./100 mL
Total Coliforms (Confirmed)	<	<	1	Col./100 mL
E. coli	<	<	1	Col./100 mL
Heterotrophic Plate Count	0.4	0.7	0.1	Col./1 mL

Col./100 mL = Colonies per 100 mL
< = Less than detection limit

Col./1 mL = Colonies per 1 mL

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Langelier Saturation Index in Water

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CANTEST ID	Saturation Index at 4.4C	Saturation Index at 60C
Pump Stn #1	Oct 31/06	611010285	-2.01	-0.97
River Stn	Oct 31/06	611010310	-2.63	-1.58
DETECTION LIMIT			-	-
UNITS			SI 4.4C	SI 60C

SI 4.4C = Saturation Index at 4.4C

SI 60C = Saturation Index at 60C