



Regional District of Central Kootenay

Box 590, 202 Lakeside Drive, Nelson, BC V1L 5R4
Telephone: (250) 352-6665
BC Toll Free: 1-800-268-7325

Web: www.rdck.ca
Email: info@rdck.bc.ca
Fax: (250) 352-9300

File No. 5700-ERK-04

July 22, 2020

Dear Sir/Madam:

RE: Erickson Water Service Water Quality

This letter is being provided in response to a request for information concerning the water provided to properties located in the Erickson Water Service in the Regional District of Central Kootenay.

Since 1929, the Erickson Water Service has drawn water from Arrow Creek authorized under water licenses issued from the Province of BC. Prior to serving Erickson and the Town of Creston customers, at the Arrow Creek Water Treatment Plant the water is first processed with coarse screening, settling, fine screening, membrane ultrafiltration, UV disinfection, and residual chlorination. The filtration process on its own provides 4-log bacteria and virus removal. In addition, a System Control and Data Acquisition (SCADA) unit allows for remote plant monitoring and operation.

Certified water utility operators take weekly bacteriological samples from 5 separate sites located in the Erickson water service area. If any results show the presence of bacteria they are acted upon immediately in consultation and collaboration with Interior Health. Attached is the latest July 13, 2020 test results.

Potability chemistry testing is also undertaken on an annual basis. THM and HAA testing is performed regularly.

The Erickson Water service operates in compliance with safe drinking water legislation and continues to provide potable water to its customers.

Should you require additional information, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read "J. McDiarmid".

Jason McDiarmid
Utility Service Manager

JM/jm

cc: Allan Richardson, Utilities Supervisor – Erickson

Attch: Caro Total Coliforms & E. coli Certificate of Analysis, July 13, 2020



4240 Passmore Upper Road, Winlaw BC, V0G2J0
250-226-7339
test@passmorelaboratory.ca
passmorelaboratory.ca

Client RDCK Erickson Water Service
Attention Al Richardson

CERTIFICATE OF ANALYSIS

<u>Analyses</u>	<u>Method Description</u>	<u>Reference</u>
Total Coliforms	Membrane Filtration on LES Endo medium	APHA 9222B
E. coli	MF Partition on NA-MUG medium	APHA 9222I

Tests were performed in accordance with methods outlined in the "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017 published by the American Public Health Association.

Passmore Laboratory Ltd. complies with methods and certification through the Province of British Columbia Enhanced Water Quality Assurance (EWQA) Program and the Clinical Microbiology Proficiency Testing (CMPT) Program. Other analytical results on this report not listed above are not within the scope of the EWQA. Passmore Laboratory assumes no responsibility for any loss or damage resulting from error or omission in the conduct of testing. Liability is limited to the cost of the analysis.

Processed by: Zach Yeow

Jennifer Yeow,
Lab Manager



Please call or Email for with any questions, feedback, or more information

ANALYTICAL RESULTS

Sample ID	Erickson Office			Sample #	1
Date/Time Sampled	7/13/2020	8:30 AM	Matrix TW	Temperature on Receipt	13

Date/Time on Test 7/14/2020 1:00 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID	Erickson Reservoir			Sample #	2
Date/Time Sampled	7/13/2020	9:00 AM	Matrix TW	Temperature on Receipt	13

Date/Time on Test 7/14/2020 1:05 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID	PRV 2			Sample #	3
Date/Time Sampled	7/13/2020	9:15 AM	Matrix TW	Temperature on Receipt	13

Date/Time on Test 7/14/2020 1:10 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID	PRV 3			Sample #	4
Date/Time Sampled	7/13/2020	9:25 AM	Matrix TW	Temperature on Receipt	13

Date/Time on Test 7/14/2020 1:15 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID	28th			Sample #	5
Date/Time Sampled	7/13/2020	9:50 AM	Matrix TW	Temperature on Receipt	13

Date/Time on Test 7/14/2020 1:20 PM

<u>Analyses</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

ANALYTICAL RESULTS

Sample ID	14th			Sample #	6
Date/Time Sampled	7/13/2020	10:05 AM	Matrix TW	Temperature on Receipt	13
Date/Time on Test	7/14/2020	1:25 PM			
<u>Analyses</u>		<u>Result</u>	<u>Units</u>	<u>RDL</u>	
Coliforms, Total		less than 1	CFU/100mL	1	
Verified E.coli		less than 1	CFU/100mL	1	

Sample ID	L reservoir			Sample #	7
Date/Time Sampled	7/13/2020	10:20 AM	Matrix TW	Temperature on Receipt	13
Date/Time on Test	7/14/2020	1:30 PM			
<u>Analyses</u>		<u>Result</u>	<u>Units</u>	<u>RDL</u>	
Coliforms, Total		less than 1	CFU/100mL	1	
Verified E.coli		less than 1	CFU/100mL	1	

Sample ID	Ja-co Industries			Sample #	8
Date/Time Sampled	7/13/2020	10:45 AM	Matrix TW	Temperature on Receipt	13
Date/Time on Test	7/14/2020	1:35 PM			
<u>Analyses</u>		<u>Result</u>	<u>Units</u>	<u>RDL</u>	
Coliforms, Total		less than 1	CFU/100mL	1	
Verified E.coli		less than 1	CFU/100mL	1	

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
Matrix	SW = Surface water, TW = Treated water, DW = Distribution water, UGW = Untreated Ground water, RW = Raw water
RDL	Reportable Detection Limit

References