

ENV 02-06-01

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19 March 2018

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Pigeon Rock Water Supply Limited
PO Box 5864
Remuera
Auckland 1140

Dear Sir

Water Sample for Analysis — Pigeon Rock – CRO-004

Enclosed are the results for the water sample collected from the water supply of the Pigeon Rock Water Supply. The sample was collected on 5 March 2018.

Bacteriological Analysis

The sample collected had an **E.coli count of <1 MPN/100mls**. This result indicates that the supply was of satisfactory bacteriological standard for drinking water at the time of collection.

Enclosed is a copy of the test results for your information and an invoice for payment relative to the cost of collection and testing of samples.

If you have any further enquires, please do not hesitate to contact the undersigned.

Yours faithfully



Sue de Jong
Administration Officer Planning & Environment



Certificate of Analysis

Client:	Central Otago District Council	Lab No:	1937247	DWAPv1
Contact:	Sue de Jong C/- Central Otago District Council PO Box 122 Alexandra 9340	Date Received:	06-Mar-2018	
		Date Reported:	07-Mar-2018	
		Quote No:	34279	
		Order No:	71551	
		Client Reference:		
		Submitted By:	Sue de Jong	

Sample Type: Aqueous			
Sample Name:	Lab Number:	Guideline Value	Maximum Acceptable Values (MAV)
Pigeon Rock 05-Mar-2018 10:50 am	1937247.1		
Escherichia coli	MPN / 100mL	< 1	< 1

Note: The Guideline Values and Maximum Acceptable Values (MAV) are taken from the publication 'Drinking-water Standards for New Zealand 2005 (Revised 2008)', Ministry of Health. Copies of this publication are available from <http://www.health.govt.nz/publication/drinking-water-standards-new-zealand-2005-revised-2008>

The Maximum Acceptable Values (MAVs) have been defined by the Ministry of Health for parameters of health significance and should not be exceeded. The Guideline Values are the limits for aesthetic determinands that, if exceeded, may render the water unattractive to consumers.

Note that the units g/m³ are the same as mg/L and ppm.



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked *, which are not accredited.

Routine Water Assessment for Sample No 1937247.1 - Pigeon Rock 05-Mar-2018 10:50

Bacteriological Tests

The NZ Drinking Water Standards state that there should be no Escherichia coli (E coli) in water used for human consumption. The presence of these organisms would indicate that other pathogens of faecal origin may be present. Results obtained for Total Coliforms are only significant if the sample has not also been tested for E coli.

Escherichia coli was not detected in this sample.

Final Assessment

All parameters tested for meet the guidelines laid down in the publication 'Drinking-water Standards for New Zealand 2005 (Revised 2008)' published by the Ministry of Health for water which is suitable for drinking purposes.

Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Escherichia coli	MPN count using Colilert (Incubated at 35°C for 24 hours), or Colilert 18 (Incubated at 35°C for 18 hours), Analysed at Hill Laboratories - Microbiology; 101c Waterloo Road, Hornby, Christchurch. APHA 9223 B (2004), 22nd ed. 2012.	1 MPN / 100mL	1

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

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Marisa Fonseca BSc Grad Dip LT
Laboratory Technician - Microbiology