

ENV 02-06-29

1 Dunorling Street  
PO Box 122, Alexandra 9340  
New Zealand

24 October 2017

+64 3 440 0056  
info@codc.govt.nz  
www.codc.govt.nz

Pigeon Rock Water Supply Limited  
PO Box 5864  
Remuera  
Auckland 1140

Dear Sir

Water Sample for Analysis — Pigeon Rock – CRO004

Enclosed are the results of the water analysis from the registered water supply for the Pigeon Rock Water Supply.

The sample was collected on 11 October 2017 from the outside tap of the dwelling located at 81 Pigeon Rock Road and labelled as 'Pigeon Rock'.

Bacteriological Analysis

The samples 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



# Hill Laboratories

TRIED, TESTED AND TRUSTED

COPY FOR YOUR INFORMATION

R J Hill Laboratories Limited T 0508 HILL LAB (44 555 22)  
 28 Duke Street Frankton 3204 T +64 7 858 2000  
 Private Bag 3205 E mail@hill-labs.co.nz  
 Hamilton 3240 New Zealand W www.hill-laboratories.com

## ANALYSIS REPORT Page 1 of 3

<b>Client:</b>	Central Otago District Council	<b>Lab No:</b>	1858920	DWAPv1
<b>Contact:</b>	Sue de Jong C/- Central Otago District Council PO Box 122 Alexandra 9340	<b>Date Received:</b>	12-Oct-2017	
		<b>Date Reported:</b>	13-Oct-2017	
		<b>Quote No:</b>	34279	
		<b>Order No:</b>	69430	
		<b>Client Reference:</b>		
		<b>Submitted By:</b>	Sue de Jong	

Sample Type: Aqueous			
Sample Name:	Pigeon Rock 11-Oct-2017 10:30 am	Guideline Value	Maximum Acceptable Values (MAV)
Lab Number:	1858920.1		
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/m<sup>3</sup> are the same as mg/L and ppm.

RECEIVED  
13 OCT 2017



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 1858920.1 - Pigeon Rock 11-Oct-2017 10:30

### **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

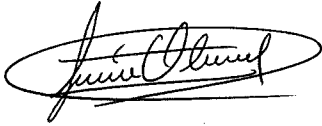
The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix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

Sample Type: Aqueous			
Test	Method Description	Default Detection Limit	Sample No
Escherichia coli	MPN count using Collert (Incubated at 35°C for 24 hours), or Collert 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.

This report must not be reproduced, except in full, without the written consent of the signatory.



Lucia Olmos BSc Biology (Hons)  
Team Leader - Microbiology