



21 FEB 2017



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**GST Number:** 51-442-970  
**Invoice Date:** 16/02/17  
**Customer No:** 352880

DMS    /    /  
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Pigeon Rock Water Supply Company Limited  
PO Box 28684  
Remuera  
Auckland 1541

### Tax Invoice 82904

Quantity	Description	Rate	Amount
	Water Testing - Pigeon Rock Water Supply (CR0004)		
	Lab Testing Bacteriological & Chemical Analysis		173.30 *
	Collection & Dispatch		60.00 *
	(* Incl GST \$30.43)		

Payment Due on or Before the 20th of the Month Following.  
Internet Bank A/C 02-0916-0081744-00. Reference=Customer No.

**Total incl. GST**                      \$233.30

(Please detach and return this portion with your payment)

#### REMITTANCE ADVICE

Pigeon Rock Water Supply Company Li  
PO Box 28684  
Remuera  
Auckland 1541

**Customer No.:** 352880  
**Invoice No.:** 82904  
**Total Due:** \$233.30

**Amount Enclosed:**

Central Otago District Council, PO Box 122, 1 Dunorling Street, Alexandra  
Tel 64-3-440 0056, Fax 64-3-4489196, email codcalex@codc.govt.nz



Regional Identity Partner

ENV 02-06-29  
2844111621

1 Dunorling Street  
PO Box 122, Alexandra 9340  
New Zealand

16 February 2017

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Pigeon Rock Water Supply Limited  
PO Box 5864  
Remuera  
Auckland 1140

Dear Sir/Madam

Water Sample for Analysis – Pigeon Rock Water Supply (CRO004)

Enclosed are the results of an analysis of water taken from your bore water supply on 26 January 2017.

The samples were collected from the outside tap of the dwelling located at 81 Pigeon Rock Road and labelled as "Pigeon Rock". The property is legally described as Lot 1 DP 368893.

Bacteriological Analysis

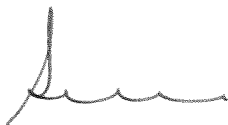
The samples collected had a **E.coli count of <1 MPN/100mls**. The result indicated that the supply was of satisfactory bacteriological standard for drinking water at the time of collection.

Chemical Analysis

Please refer to the attached Routine Water Assessment provided from Hill Laboratories.

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

Yours faithfully



Sue de Jong  
Administration Officer, Planning & Environment

COPY FOR YOUR  
INFORMATION



**Hill Laboratories**  
TRIED, TESTED AND TRUSTED

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## ANALYSIS REPORT

Page 1 of 3

<b>Client:</b> Central Otago District Council	<b>Lab No:</b> 1714675	DWAPv1
<b>Contact:</b> Sue de Jong	<b>Date Received:</b> 27-Jan-2017	
C/- Central Otago District Council	<b>Date Reported:</b> 28-Jan-2017	
PO Box 122	<b>Quote No:</b> 34279	
Alexandra 9340	<b>Order No:</b>	
	<b>Client Reference:</b>	
	<b>Submitted By:</b> Sue de Jong	

### Sample Type: Aqueous

Sample Name:	Pigeon Rock 26-Jan-2017 11:45 am	Guideline Value	Maximum Acceptable Values (MAV)
Lab Number:	1714675.1		
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.



**IANZ**  
ACCREDITED LABORATORY

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 1714675.1 - Pigeon Rock 26-Jan-2017 11:45**

### **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, 22 <sup>nd</sup> 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.



Jill Martin BSc Grad Dip LT  
Laboratory Technician - Microbiology