



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** Michael MacRae  
**Subcontract Laboratory:** Envirolab (NATA2901)  
**Subcontract Reference:** 228104

Final report

**Report no:** 19/1656  
**Date received:** 9/10/2019  
**Testing commenced:** 9/10/2019  
**Date reported:** 22/10/2019  
**No. of samples:** 2  
**Revision no:** 00

*Analysis results apply to samples as received.*

Raw and Finished Weekly

Sample No.: Sample description:	Unit	Method	LOR	19/1656-1 RVC Finished Water 9/10/2019	19/1656-2 RVC Raw Water 9/10/2019 09:00
pH	pH	APHA4500H		7.6	7.6
Electrical Conductivity	µS/cm	APHA2510B	1	402	337
Total Dissolved Solids by calc	mg/L	APHA1030E	2	257	216
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.5	6.5
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.14	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	24
Colour (True)	Pt-Co	RWL10.02	2	<2	7
Turbidity	NTU	APHA2130B	0.1	0.12	3.5
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	113	114
Suspended Solids	mg/L	APHA2540D	1	<1	6
Total Organic Carbon*	mg/L	Envirolab	1	1	3
Aluminium (Total)	mg/L	APHA3120B	0.005	0.046	0.077
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.045	<0.005



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Sample No.: Sample description:	Unit	Method	LOR	19/1656-1 RVC Finished Water 9/10/2019	19/1656-2 RVC Raw Water 9/10/2019 09:00
Date sampled:					
Time sampled:					
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	0.22
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.008
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.094
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	23.1	23.8
Magnesium	mg/L	APHA3120B	0.1	13.9	14.1
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	115	117
Total Coliforms	MPN/100mL	APHA9223B	1	<1	1,300
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	16
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	141

General comments: This report must not be reproduced except in full. This report relates to items tested as specified herein.  
Samples tested between date received and date reported. Accredited for compliance with ISO/IEC 17025 - Testing  
# NATA accreditation does not cover the performance of this service. Tests marked with \* are subcontracted.  
LOR denotes 'Limit of Reporting' < denotes less than; > denotes greater than; ND denotes 'not detected'  
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

Specific comments:

V. Barnett  
Laboratory Analyst  
Approved Authoriser