



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: David Cash
Sampled by: Michael MacRae
Subcontract Laboratory: Envirolab (NATA2901)
Subcontract Reference: 221999

Final report

Report no: 19/1150
Date received: 17/07/2019
Testing commenced: 17/07/2019
Date reported: 29/07/2019
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	19/1150-1 RVC Finished Water 17/07/2019 14:30	19/1150-2 RVC Raw Water 16/07/2019 13:15
Date sampled:					
Time sampled:					
pH	pH	APHA4500H		7.6	7.7
Electrical Conductivity	µS/cm	APHA2510B	1	324	235
Total Dissolved Solids by calc	mg/L	APHA1030E	2	207	150
Dissolved Oxygen	mg/L	APHA4500OG	0.2	9.7	9.0
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.04	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	2	56
Colour (True)	Pt-Co	RWL10.02	2	2	19
Turbidity	NTU	APHA2130B	0.1	0.24	10
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	89	81
Suspended Solids	mg/L	APHA2540D	1	<1	8
Total Organic Carbon*	mg/L	Envirolab	1	2	4
Aluminium (Total)	mg/L	APHA3120B	0.005	0.10	0.72
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.053	0.17



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Sample No.: Sample description:	Unit	Method	LOR	19/1150-1 RVC Finished Water 17/07/2019 14:30	19/1150-2 RVC Raw Water 16/07/2019 13:15
Iron (Total)	mg/L	APHA3120B	0.005	0.009	0.86
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.21
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.029
Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	15.5	15.2
Magnesium	mg/L	APHA3120B	0.1	10	9.9
Hardness as CaCO ₃	mg/L	APHA2340B	1	80	79
Total Coliforms	MPN/100mL	APHA9223B	1	<1	1,120
<i>E.coli</i>	MPN/100mL	APHA9223B	1	<1	24
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	2,000

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:


 M Window
 Laboratory Analyst
 Approved Authoriser