



Certificate Of Analysis

Client: Richmond Valley Council
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 Casino NSW 2470
Contact: Sandeep Chugh
Sampled by: Maddison Hodges - Michael MacRae
Subcontract Laboratory: Envirolab (NATA 2901) / UUQ (11085)
Subcontract Reference: 238315 / 20-02538
Analysis results apply to samples as received.

Final report

Report no: 20/0415
Date received: 4/03/2020
Testing commenced: 4/03/2020
Date reported: 20/03/2020
No. of samples: 2
Revision no: 01

Raw and Finished Mthly

Sample No.: Sample description: Date sampled: Time sampled:	Unit	Method	LOR	20/0415-1 RVC Finished Water 4/03/2020	20/0415-2 RVC Raw Water 4/03/2020
pH	pH	APHA4500H		7.3	7.6
Electrical Conductivity	µS/cm	APHA2510B	1	466	273
Total Dissolved Solids by calc	mg/L	APHA1030E	2	298	175
Dissolved Oxygen	mg/L	APHA4500OG	0.2	8.5	7.7
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.05	[NA]
Colour (Apparent)	Pt-Co	RWL10.02	2	<2	120
Colour (True)	Pt-Co	RWL10.02	2	<2	55
Turbidity	NTU	APHA2130B	0.1	0.13	15
Aluminium (Total)	mg/L	APHA3120B	0.005	0.037	0.97
Aluminium (Dissolved)	mg/L	APHA3120B	0.005	0.036	0.012
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	1.3
Iron (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.12
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	0.063



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Manganese (Dissolved)	mg/L	APHA3120B	0.005	<0.005	0.005
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	86	83
Suspended Solids	mg/L	APHA2540D	1	<1	14
Total Organic Carbon*	mg/L	Envirolab	1	4	8
Phosphorus - Total	mg/L	RWL 10.07	0.05	<0.05	0.21
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.32	0.40
Dissolved Organic Carbon*	mg/L	Envirolab	1	4	9
Total Trihalomethanes*	µg/L	Envirolab	1	46	[NA]
2-methylisoborneol*	ng/L	UUQ	2	[NA]	<2.0
Geosmin*	ng/L	UUQ	2	[NA]	<2.0
Calcium	mg/L	APHA3120B	0.1	19.5	19.3
Magnesium	mg/L	APHA3120B	0.1	11.1	11.2
Hardness as CaCO ₃	mg/L	APHA2340B	1	94	94
Total Coliforms	MPN/100mL	APHA9223B	1	<1	4,350
<i>E. coli</i>	MPN/100mL	APHA9223B	1	<1	40
Heterotrophic Plate Count	MPN/mL	APHA9215E	2	<2	8,000



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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: This report has been re-issued as the alkalinity for finished water was reported incorrectly
This report supersedes any previous report with this Report Number (see top right of this page).

A. Hawthorne
Laboratory Manager
Approved Authoriser