



Certificate Of Analysis

Client: Richmond Valley Council
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 Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: W.Orton
Subcontract Lab: QUU (NATA 11085) / Envirolab (NATA 2901)
Subcontract Ref: 17-05796 / 169040
Samples analysed as received.

Report No.: 17/0888
Revision No. 00
Date received: 6/06/2017
Date commenced: 6/06/2017
Date reported: 26/06/2017
No. of samples: 2

1	Method No.	Limit of Reporting	Unit	Result
RVC Finished Water 6/06/2017				
pH	APHA4500H		pH	7.4
Electrical Conductivity	APHA2510B	1	µS/cm	376
Total Dissolved Solids by calc	APHA1030E	2	mg/L	241
Dissolved Oxygen	APHA4500OG	0.2	mg/L	10.2
Fluoride - ISE	APHA4500FC	0.05	mg/L	1.03
Colour (Apparent)	RWL10.02	2	Pt-Co	<2
Colour (True)	RWL10.02	2	Pt-Co	<2
Turbidity	APHA2130B	0.1	NTU	0.12
Alkalinity (as CaCO3)	APHA2320B	20	mg/L	115
Suspended Solids	APHA2540D	1	mg/L	<1
Aluminium (Total)	APHA3120B	0.005	mg/L	0.074
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.065
Iron (Total)	APHA3120B	0.005	mg/L	<0.005
Iron (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Manganese (Total)	APHA3120B	0.005	mg/L	<0.005
Manganese (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Calcium	APHA3120B	0.1	mg/L	22.7
Magnesium	APHA3120B	0.1	mg/L	14.0
Hardness as CaCO3	APHA2340B	1	mg/L	114
Total Coliforms	APHA9223B	1	MPN/100mL	<1
<i>E. coli</i>	APHA9223B	1	MPN/100mL	<1
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	2
Phosphorus - Total	RWL 10.07	0.05	mg/L	<0.05
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	<0.05
Total Organic Carbon*	Envirolab	1	mg/L	2
Dissolved Organic Carbon*	Envirolab	1	mg/L	2
Total Trihalomethanes*	Envirolab	1	µg/L	18

This is the Final Report

Notes:

This report must not be reproduced except in full.
 This report relates only to the items tested as specified herein.
 Samples analysed between date received and date reported.


 A. Hawthorne
 Laboratory Manager
 Approved Authoriser

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 # NATA accreditation does not cover the performance of this service.
 Tests marked with a '*' are subcontracted.
 LOR denotes 'Limit of Reporting'.



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Report No.: 17/0888 cont.

2	Method No.	Limit of Reporting	Unit	Result
RVC Raw Water 6/06/2017				
pH	APHA4500H		pH	7.8
Electrical Conductivity	APHA2510B	1	µS/cm	309
Total Dissolved Solids by calc	APHA1030E	2	mg/L	198
Dissolved Oxygen	APHA4500OG	0.2	mg/L	9.97
Colour (Apparent)	RWL10.02	2	Pt-Co	40
Colour (True)	RWL10.02	2	Pt-Co	15
Turbidity	APHA2130B	0.1	NTU	5.8
Alkalinity (as CaCO3)	APHA2320B	20	mg/L	120
Suspended Solids	APHA2540D	1	mg/L	7
Aluminium (Total)	APHA3120B	0.005	mg/L	0.31
Aluminium (Dissolved)	APHA3120B	0.005	mg/L	0.047
Iron (Total)	APHA3120B	0.005	mg/L	0.44
Iron (Dissolved)	APHA3120B	0.005	mg/L	0.058
Manganese (Total)	APHA3120B	0.005	mg/L	0.029
Manganese (Dissolved)	APHA3120B	0.005	mg/L	<0.005
Calcium	APHA3120B	0.1	mg/L	23.3
Magnesium	APHA3120B	0.1	mg/L	14.4
Hardness as CaCO3	APHA2340B	1	mg/L	117
Total Coliforms	APHA9223B	1	MPN/100mL	816
<i>E. coli</i>	APHA9223B	1	MPN/100mL	26
Heterotrophic Plate Count	APHA9215E	2	MPN/mL	520
Phosphorus - Total	RWL 10.07	0.05	mg/L	0.09
Nitrogen - Nitrite-N	RWL 10.05	0.01	mg/L	<0.01
Nitrogen - Nitrate-N	RWL 10.05	0.05	mg/L	<0.05
Total Organic Carbon*	Envirolab	1	mg/L	3
Dissolved Organic Carbon*	Envirolab	1	mg/L	3
2-methylisoborneol*	UUQ	2	ng/L	<2
Geosmin*	UUQ	2	ng/L	<2

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