



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: Aidan Macqueen
Sampled by: Mia Donnelly

Final report

Report no: 18/0243
Date received: 13/02/2018
Testing commenced: 13/02/2018
Date reported: 26/02/2018
No. of samples: 10
Revision no: 00

* **Subcontract Laboratory:** Envirolab (NATA 2901) / SGS (NATA 14429)

* **Subcontract Reference:** 185398 / ME305707 RO

RVC Casino & L River Quarterly

Sampled in accordance with RWL 2.0 to 2.05

Sample No.: Sample description:	Unit	Method	LOR	18/0243/1 Casino Showground 13/02/2018	18/0243/2 Casino Walker Street 13/02/2018	18/0243/3 Casino South Res 13/02/2018	18/0243/4 Coraki Memorial Park 13/02/2018	18/0243/5 Box Ridge Community 13/02/2018	18/0243/6 Woodburn Riverside Park 13/02/2018	18/0243/7 Broadwater Community Centre 13/02/2018	18/0243/8 Rileys Hill Community Centre 13/02/2018
Colour (True)	Pt-Co	RWL10.02	2	<2	<2	<2	<2	<2	<2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	<0.05	<0.05	<0.05	0.06	0.06	0.07	0.06	0.06
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.15	0.14	0.23	0.031	0.032	0.045	0.048	0.038
Copper (Total)	mg/L	APHA3120B	0.005	0.066	0.036	0.007	0.023	0.056	0.006	0.009	0.050
Iron (Total)	mg/L	APHA3120B	0.005	0.007	0.04	0.02	0.007	0.006	<0.005	0.008	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	0.009	0.005	<0.005	0.005	0.007	<0.005	<0.005	0.005
Total Trihalomethanes*	µg/L	Envirolab	1	78	66	117	53	76	<1	35	28
Electrical Conductivity	µS/cm	APHA2510B	1	414	398	408	185	186	191	191	191
Total Dissolved Solids by calc	mg/L	APHA1030E	2	265	255	261	118	119	122	122	122



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Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	0.024	0.021	0.022	<0.01	<0.01	<0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.020	0.012	0.012	0.007	0.007	0.006	0.006	0.006
Calcium	mg/L	APHA3120B	0.1	23.9	19.0	21.2	23.9	23.6	25.5	25.6	26.2
Magnesium	mg/L	APHA3120B	0.1	12.3	11.5	12.9	1	0.9	0.7	0.7	0.7
Hardness as CaCO ₃	mg/L	APHA2340B	1	110	95	106	64	63	67	67	68
Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	48.3	50.9	49.6	13.8	13.8	13.7	13.6	13.6
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	31	26	30	15	15	15	15	15
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.02	1.01	1.00	1.05	1.04	1.05	1.02	1.03
Sulphate#	mg/L	RWL 10.10	1	58.5	62.4	59.5	1.5	1.5	1.4	1.4	1.4
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	107	96	101	74	73	74	77	70
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001



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Sample No.: Sample description: Date sampled: Time sampled:	Unit	Method	LOR	18/0243/9 Evans Head School 13/02/2018	18/0243/10 Evans Head High Zone 13/02/2018
Colour (True)	Pt-Co	RWL10.02	2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.06	0.07
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.045	0.044
Copper (Total)	mg/L	APHA3120B	0.005	0.013	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	0.005	<0.005
Total Trihalomethanes*	µg/L	Envirolab	1	50	40
Electrical Conductivity	µS/cm	APHA2510B	1	191	193
Total Dissolved Solids by calc	mg/L	APHA1030E	2	122	124
Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.006	0.006
Calcium	mg/L	APHA3120B	0.1	27.3	26.9
Magnesium	mg/L	APHA3120B	0.1	0.6	0.6
Hardness as CaCO3	mg/L	APHA2340B	1	71	70



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Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	13.4	13.5
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	14	14
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.04	1.01
Sulphate#	mg/L	RWL 10.10	1	1.2	1.0
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	79	76
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001

General comments: This report must not be reproduced except in full. This report relates only to items tested as specified herein. Samples analysed between date received and date reported. Accredited for compliance with ISO/IEC 17025. # NATA accreditation does not cover the performance of this service. Tests marked with * are subcontracted. LOR denotes 'Limit of Reporting'

Specific comments:


M Window
Laboratory Analyst
Approved Authoriser