



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** Gary Mead  
**Subcontract Laboratory:** Envirolab (NATA2901)  
**Subcontract Reference:** 228702

Final report

**Report no:** 19/1719  
**Date received:** 16/10/2019  
**Testing commenced:** 16/10/2019  
**Date reported:** 28/10/2019  
**No. of samples:** 2  
**Revision no:** 00

*Analysis results apply to samples as received.*

Raw and Finished Weekly

| Sample No.:<br>Sample description:<br><br>Date sampled:<br>Time sampled: | Unit  | Method     | LOR   | 19/1719-1<br>RVC<br>Finished<br>Water<br>16/10/2019 | 19/1719-2<br>RVC Raw<br>Water<br>16/10/2019 |
|--|-------|------------|-------|---|---|
| pH   | pH    | APHA4500H  |       | 7.6   | 7.7   |
| Electrical Conductivity  | µS/cm | APHA2510B  | 1     | 374   | 325   |
| Total Dissolved Solids by calc   | mg/L  | APHA1030E  | 2     | 239   | 208   |
| Dissolved Oxygen   | mg/L  | APHA4500OG | 0.2   | 9.2   | 7.4   |
| Fluoride - ISE   | mg/L  | APHA4500FC | 0.05  | 1.08  | [NA]  |
| Colour (Apparent)  | Pt-Co | RWL10.02   | 2     | <2  | 23  |
| Colour (True)  | Pt-Co | RWL10.02   | 2     | <2  | 11  |
| Turbidity  | NTU   | APHA2130B  | 0.1   | 0.18  | 2.5   |
| Alkalinity (as CaCO <sub>3</sub> )                                       | mg/L  | APHA2320B  | 20    | 121   | 122   |
| Suspended Solids   | mg/L  | APHA2540D  | 1     | <1  | 1   |
| Total Organic Carbon*  | mg/L  | Envirolab  | 1     | 3   | 5   |
| Aluminium (Total)  | mg/L  | APHA3120B  | 0.005 | 0.051   | 0.047                                       |
| Aluminium (Dissolved)  | mg/L  | APHA3120B  | 0.005 | 0.045   | <0.005                                      |



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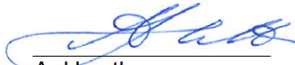
**Client:** Richmond Valley Council

**Report no:** 19/1719

| Sample No.:<br>Sample description:<br><br>Date sampled:<br>Time sampled: | Unit      | Method    | LOR   | 19/1719-1<br>RVC<br>Finished<br>Water<br>16/10/2019 | 19/1719-2<br>RVC Raw<br>Water<br>16/10/2019 |
|--|-----------|-----------|-------|---|---|
| Iron (Total)   | mg/L      | APHA3120B | 0.005 | 0.02  | 0.19  |
| Iron (Dissolved)   | mg/L      | APHA3120B | 0.005 | <0.005  | 0.013                                       |
| Manganese (Total)  | mg/L      | APHA3120B | 0.005 | <0.005  | 0.096                                       |
| Manganese (Dissolved)  | mg/L      | APHA3120B | 0.005 | <0.005  | <0.005                                      |
| Calcium  | mg/L      | APHA3120B | 0.1   | 23.1  | 23.1  |
| Magnesium  | mg/L      | APHA3120B | 0.1   | 13.6  | 13.3  |
| Hardness as CaCO3  | mg/L      | APHA2340B | 1     | 114   | 112   |
| Total Coliforms  | MPN/100mL | APHA9223B | 1     | <1  | 649   |
| <i>E.coli</i>  | MPN/100mL | APHA9223B | 1     | <1  | 1   |
| Heterotrophic Plate Count  | MPN/mL    | APHA9215E | 2     | <2  | 507   |

**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:**

  
 A. Hawthorne  
 Laboratory Manager  
 Approved Authoriser