

Monthly Testing Results Report

Program: Yass Water Treatment Plant
Date Collected: 07 January 2025

The Australian Drinking Water Guidelines (ADWG) include two types of measures:

- a **health-related guideline value**, which is the concentration or measure of a water quality characteristic that, based on present knowledge, does not result in any significant risk to the health of the consumer over a lifetime of consumption; and
- an **aesthetic guideline value**, which is the concentration or measure of a water quality characteristic that is associated with acceptability of water to the consumer; for example, appearance, taste and odour.¹

Yass Valley Council reports both Guideline measures in the interests of transparent governance.

Table 1 - Health related test results

| Characteristic | Guideline Value | Units | Tested Value | Meeting health-related guideline values |
|----------------|-----------------|-------|--------------|---|
| Antimony | 0.003 | mg/L | 0.0001 | Yes |
| Arsenic | 0.01 | mg/L | 0.001 | Yes |
| Barium | 2.00 | mg/L | 0.0339 | Yes |
| Boron | 4.0 | mg/L | 0.0153 | Yes |
| Cadmium | 0.002 | mg/L | 0.0001 | Yes |
| Chromium | 0.05 | mg/L | 0.0005 | Yes |
| Copper | 2.000 | mg/L | 0.0050 | Yes |
| Fluoride | 1.50 | mg/L | 0.93 | Yes |
| Lead | 0.01 | mg/L | 0.0002 | Yes |
| Manganese | 0.500 | mg/L | 0.0266 | Yes |
| Mercury | 0.0010 | mg/L | 0.0004 | Yes |
| Molybdenum | 0.05 | mg/L | 0.0003 | Yes |
| Nickel | 0.02 | mg/L | 0.0011 | Yes |
| Nitrate | 50 | mg/L | 1 | Yes |
| Nitrite | 3 | mg/L | 0.05 | Yes |
| Selenium | 0.01 | mg/L | 0.0035 | Yes |
| Silver | 0.1 | mg/L | 0.0001 | Yes |
| Uranium | 0.0170 | mg/L | 0.0001 | Yes |

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Table 2 - Aesthetic guideline test results

| Characteristic | Guideline Value | Units | Value | Meeting aesthetic-related guideline values |
|-------------------------------------|-----------------|-------------|--------|--|
| Aluminium | 0.20 | mg/L | 0.02 | Yes |
| Calcium | 10000 | mg/L | 12.8 | Yes |
| Chloride | 250 | mg/L | 55 | Yes |
| Iodine | 0.50 | mg/L | 0.04 | Yes |
| Iron | 0.3 | mg/L | 0.005 | Yes |
| Magnesium | 10000 | mg/L | 17.43 | Yes |
| Manganese | 0.1 | mg/L | 0.0266 | Yes |
| pH | 6.5 - 8.5 | | 7.1 | Yes |
| Sodium | 180 | mg/L | 59 | Yes |
| Sulfate | 500 | mg/L | 77 | Yes |
| Total Dissolved Solids (TDS) | 600 | mg/L | 250 | Yes |
| Total Hardness as CaCO ₃ | 200.0 | mg/L | 103.7 | Yes |
| True Colour | 15 | Hazen Units | 6 | Yes |
| Turbidity | 5.0 | NTU | 0.1 | Yes |
| Zinc | 3 | mg/L | 0.01 | Yes |

ⁱ Australian Drinking Water Guidelines 6 2011, Version 3.5 Updated August 2018, National Water Quality Management Strategy National Health and Medical Research Council Reference code: EH52