

Monthly NSW Health Testing Results Report

Program: Yass Water Treatment Plant
Date Collected: 01 August 2023

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	0.00005	Yes
Arsenic	0.01	mg/L	0.001	Yes
Barium	2	mg/L	0.0363	Yes
Boron	4	mg/L	0.007	Yes
Cadmium	0.002	mg/L	0.00005	Yes
Chromium	0.05	mg/L	0.001	Yes
Copper	2	mg/L	0.006	Yes
Fluoride	1.50	mg/L	1.16	Yes
Lead	0.01	mg/L	0.0002	Yes
Manganese	0.5	mg/L	0.0011	Yes
Mercury	0.001	mg/L	0.0004	Yes
Molybdenum	0.05	mg/L	0.0003	Yes
Nickel	0.02	mg/L	0.001	Yes
Nitrate	50	mg/L	3	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	0.017	mg/L	0.0005	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	0.06	Yes
Calcium	10000	mg/L	30	Yes
Chloride	250	mg/L	139	Yes
Iodine	0.50	mg/L	0.05	Yes
Iron	0.3	mg/L	0.005	Yes
Magnesium	10000	mg/L	42.4	Yes
Manganese	0.1	mg/L	0.0011	Yes
pH	6.5 - 8.5		7.7	Yes
Sodium	180	mg/L	113	Yes
Sulfate	250	mg/L	136	Yes
Total Dissolved Solids (TDS)	600	mg/L	438	Yes
Total Hardness as CaCO ₃	200	mg/L	249.5	No
True Colour	15	Hazen Units	2	Yes
Turbidity	5	NTU	0.3	Yes
Zinc	3	mg/L	0.02	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