

# Monthly Testing Results Report

**Program:** Yass Water Treatment Plant  
**Date Collected:** 19 May 2020

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.<sup>1</sup>

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	0.0309	Yes
Boron	4.0	mg/L	0.0135	Yes
Cadmium	0.002	mg/L	0.00005	Yes
Chromium	0.05	mg/L	0.0005	Yes
Copper	2.000	mg/L	0.01	Yes
Fluoride	1.50	mg/L	0.91	Yes
Lead	0.01	mg/L	0.0004	Yes
Manganese	0.500	mg/L	0.0322	No
Mercury	0.0010	mg/L	0.0004	Yes
Molybdenum	0.05	mg/L	0.0002	Yes
Nickel	0.02	mg/L	0.0012	Yes
Nitrate	50	mg/L	2	Yes
Nitrite	3	mg/L	0.1	Yes
Selenium	0.01	mg/L	0.0035	Yes
Silver	0.1	mg/L	0.0001	Yes
Uranium	0.0170	mg/L	0.0002	Yes

*Note: Results are from NSW Health FASS (Forensic and Analytical Science Services) Laboratory*

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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	0.22	No
Calcium	10000	mg/L	19.2	Yes
Chloride	250	mg/L	57	Yes
Iodine	0.50	mg/L	0.04	Yes
Iron	0.3	mg/L	0.005	Yes
Magnesium	10000	mg/L	22.5	Yes
Manganese	0.1	mg/L	0.0322	No
pH	6.5 - 8.5		7.8	Yes
Sodium	180	mg/L	78	Yes
Sulfate	500	mg/L	72	Yes
Total Dissolved Solids (TDS)	600	mg/L	324	Yes
Total Hardness as CaCO <sub>3</sub>	200.0	mg/L	140.6	Yes
True Colour	15	Hazen Units	4	Yes
Turbidity	5.0	NTU	0.9	Yes
Zinc	3	mg/L	0.06	Yes

*Note: Results are from NSW Health FASS (Forensic and Analytical Science Services) Laboratory*

<sup>i</sup> 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