

Weekly Testing Results Report

Location: Yass, Binalong and Bowning Water Supply System
Period: 28 December – 31 December 2018

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.ⁱ

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

Council conducts tests of its water supply in accordance with the Drinking Water Management System.

Free chlorine, total chlorine and *E. coli* are key operational indicators of the safety (health-related) of the water supply.

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

| Characteristic | Guideline Value | Units | Tested Value | Meeting guideline values |
|---------------------------------------|-----------------|-------------|--------------|--------------------------|
| Health related test results | | | | |
| Free Chlorine | 0.20 | mg/L | 0.54 | Yes |
| Total Chlorine | < 5.0 | mg/L | 0.97 | Yes |
| <i>E. coli</i> | <1 | CFU/100mL | N/A | |
| Manganese (total) | 0.5 | mg/L | 0.20 | Yes |
| Aesthetic related test results | | | | |
| Aluminium, soluble | 0.20 | mg/L | N/A | |
| Iron (total) | 0.30 | mg/L | N/A | |
| Manganese (total) | 0.10 | mg/L | 0.20 | No |
| pH | 6.5 - 8.5 | | 7.2 | Yes |
| Colour | 15 | Hazen Units | 43 | No |
| Turbidity | 5 | NTU | 2.10 | Yes |

Note: There is no *E. coli* test value recorded for the period 28 December – 31 December 2018 due to the closure of the NSW Health FASS laboratory over the Christmas break.

Chlorine levels (Free and Total) recorded during this period indicate that *E. coli* would have been within ADWG health-related guideline values (<1 CFU/100mL) during this time.

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