



Chichester Raw Water Quality Data - September 2019

Chichester Raw Water is not suitable for drinking.
Chichester Raw Water is treated at Dungog Water Treatment Plant (WTP) before supplying treated drinking water to customers.

Turbidity, E. coli and Chlorine Results for Chichester Raw Water at Dusodie#

| Analyte | Unit | ADWG guideline value* | Sample Date (week beginning) | | | | |
|-----------|-----------|---------------------------------|------------------------------|-----------|------------|------------|------------|
| | | | 2/09/2019 | 9/09/2019 | 16/09/2019 | 23/09/2019 | 30/09/2019 |
| E. coli | MPN/100mL | should not be detected in 100mL | <1 | <1 | <1 | <1 | <1 |
| Turbidity | NTU | 5 | 4.38 | 5.03 | 2.82 | 5.57 | 3.3 |
| Chlorine | mg/L | 5 | 0.77 | 0.6 | 0.71 | 0.67 | 0.2 |

Samples are collected from Chichester Trunk Gravitation Main (CTGM) at Dusodie prior to treatment by Dungog WTP.

*Australian Drinking Water Guidelines 2011 (ADWG) guideline values are applicable to drinking water samples

Potentially Toxic Blue Green Algae Results for Chichester Raw Water at Dam Offtake Screens^

| Potentially Toxic Blue Green Algae | Unit | ADWG Alert Levels | Sample Date (week beginning) | | | | |
|------------------------------------|----------|-------------------|------------------------------|------------|------------|------------|--|
| | | | 3/09/2019 | 10/09/2019 | 17/09/2019 | 24/09/2019 | |
| Dolichospermum | cells/mL | 20,000 | 0 | 70 | 0 | 0 | |
| Microcystis | cells/mL | 6,500 | 105 | 0 | 240 | 0 | |

^ Samples are collected from Chichester Screens prior to treatment by Dungog WTP.

Protozoa Results for Chichester Raw Water at Dam Offtake Screens**

| Protozoa | Unit | Sample Date (week beginning) | |
|-----------------|-------------|------------------------------|--|
| | | 2/09/2019 | |
| Cryptosporidium | Oocysts/10L | <1 | |
| Giardia | Cysts/10L | <1 | |

** Samples are collected from Chichester Screens prior to treatment by Dungog WTP