



Chichester Raw Water Quality Data - July 2018

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) | | | | |
|-----------|-----------|---------------------------------|------------------------------|-----------|------------|------------|------------|
| | | | 2/07/2018 | 9/07/2018 | 16/07/2018 | 23/07/2018 | 30/07/2018 |
| E. coli | MPN/100mL | should not be detected in 100mL | <1 | <1 | <1 | <1 | <1 |
| Turbidity | NTU | 5 | 3.41 | 2.49 | 2.19 | 2.38 | 2.2 |
| Chlorine | mg/L | 5 | 1.1 | 0.89 | 0.59 | 0.82 | 0.92 |

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 Screens^

| Potentially Toxic Blue Green Algae | Unit | ADWG Alert Levels | Sample Date (week beginning) | | | | |
|------------------------------------|----------|-------------------|------------------------------|------------|------------|------------|--|
| | | | 3/07/2018 | 10/07/2018 | 17/07/2018 | 24/07/2018 | |
| Dolichospermum | cells/mL | 20,000 | 25 | 0 | 20 | 0 | |
| Microcystis | cells/mL | 6,500 | 30 | 145 | 10 | 0 | |

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

Protozoa Results for Chichester Raw Water at Dungog WTP**

| Protozoa | Unit | Sample Date (week beginning) | |
|-----------------|-------------|------------------------------|--|
| | | 3/07/2018 | |
| Cryptosporidium | Oocysts/10L | <1 | |
| Giardia | Cysts/10L | <1 | |

** Samples are collected from CTGM at Dungog WTP prior to treatment by Dungog WTP. Robust treatment processes are in place at Dungog WTP for removal of cryptosporidium and giardia.