



Chichester Raw Water Quality Data - May 2024

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 and Chlorine Results for Chichester Raw Water at Dusodie#

| Analyte | Unit | ADWG guideline value* | Sample Date | | | |
|------------|------|-----------------------|-------------|------------|------------|------------|
| | | | 6/05/2024 | 13/05/2024 | 20/05/2024 | 27/05/2024 |
| Turbidity | NTU | 5 | 7.9 | 9.09 | 7.22 | 7.58 |
| Chlorine** | mg/L | 5 | 0.04 | 0.05 | 0.04 | 0.04 |

E. coli Results for Chichester Raw Water at Dam Offtake Screens^

| Analyte | Unit | ADWG guideline value* | Sample Date | | | |
|---------|-----------|---------------------------------|-------------|-----------|-----------|------------|
| | | | 2/05/2024 | 3/05/2024 | 6/05/2024 | 13/05/2024 |
| E. coli | MPN/100mL | should not be detected in 100mL | 190 | 71 | 26 | 3 |

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 | | | |
|------------------------------------|----------|-------------------|-------------|------------|------------|------------|
| | | | 6/05/2024 | 13/05/2024 | 20/05/2024 | 27/05/2024 |
| Dolichospermum | cells/mL | 20,000 | <5 | <5 | <5 | <5 |
| Microcystis | cells/mL | 6,500 | <5 | 15 | 10 | <5 |

Protozoa Results for Chichester Raw Water at Dam Offtake Screens^

| Protozoa | Unit | Sample Date | | |
|-----------------|-----------|-------------|-----------|-----------|
| | | 2/05/2024 | 3/05/2024 | 6/05/2024 |
| Cryptosporidium | Oocysts/L | <0.1 | <0.1 | <0.1 |
| Giardia | Cysts/L | <0.1 | <0.1 | <0.1 |

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

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

** The Chlorinator is only operated periodically to assist in removal of dissolved Manganese.

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

^^ Samples are averaged from multiple

| 20/05/2024 | 27/05/2024 |
|------------|------------|
| <1 | 1 |

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