



Chichester Raw Water Quality Data - October 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)				
			8/10/2018	15/10/2018	22/10/2018	29/10/2018	30/10/2018
E. coli	MPN/100mL	should not be detected in 100mL	<1	<1	<1	<1	<1
Turbidity	NTU	5	2.98	10.5	8	6.58	5.2
Chlorine	mg/L	5	0.86	1.13	1.06	0.67	0.9

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)					
			2/10/2018	4/10/2018	9/10/2018	16/10/2018	23/10/2018	30/10/2018
Dolichospermum	cells/mL	20,000	230	220	280	0	50	110
Microcystis	cells/mL	6,500	0	0	0	0	0	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)	
		2/10/2018	16/10/2018
Cryptosporidium	Oocysts/10L	<1	<1
Giardia	Cysts/10L	<1	<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.