



## Quarterly summary of drinking water quality October – December 2024

Central Coast Council maintains a water quality monitoring program to ensure that the water provided to our customers complies with the guideline limits specified in the *Australian Drinking Water Quality Guidelines*.

Our drinking water is chlorinated to ensure that the water is free of organisms that may cause illness. Counts of *E. coli* bacteria present in drinking water is the water industry standard measure to indicate that these disease-causing organisms are unlikely to be present.

Parameter	Unit of Measure	ADWG health guideline value	Number of samples for quarter	Average for quarter	Maximum for quarter	Number of samples for previous 12 months	Average for previous 12 months	Maximum for previous 12 months
<i>E. coli</i>	mpn/100 mL	<1	206	<1	<1	821	<1	<1
Free chlorine	mg/L	-	206	1.19	2.60	822	1.19	2.80
Total chlorine	mg/L	5	206	1.40	2.00	822	1.39	2.90

A range of chemical parameters are monitored that may cause health impacts in the long term if present in drinking water at high concentrations. Examples of those likely to be present in our drinking water are:

Parameter	Unit of Measure	ADWG health guideline value	Number of samples for quarter	Average for quarter	Maximum for quarter	Number of samples for previous 12 months	Average for previous 12 months	Maximum for previous 12 months
Copper	mg/L	2	6	0.018	0.033	24	0.020	0.046
Lead	mg/L	0.01	6	0.0004	0.0006	24	0.0007	0.0023
Manganese	mg/L	0.5	6	0.006	0.0166	24	0.0099	0.0437
Fluoride	mg/L	1.5	6	0.79	0.94	24	0.76	1.15
Trihalomethanes	µg/L	250	6	115	152	24	126	262

Parameters that indicate that drinking water taste or appearance (or 'aesthetics') is acceptable include:

Parameter	Unit of Measure	ADWG aesthetic guideline value	Number of samples for quarter	Average for quarter	Maximum for quarter	Number of samples for previous 12 months	Average for previous 12 months	Maximum for previous 12 months
pH	pH units	6.5 – 8.5	206	7.6	8.0	822	7.8	8.4
Turbidity	NTU	5.0	206	0.56	4.5	822	0.55	4.5
True Colour	Hazen units	15	6	1	2	24	1	2
Total Hardness	mg/L as CaCO <sub>3</sub>	200	6	49	58	24	49	68
Total Dissolved Solids	mg/L	600	6	46	61	24	49	68
Aluminium	mg/L	0.2	6	0.04	0.09	24	0.06	0.20
Zinc	mg/L	3	6	0.01	0.02	24	0.02	0.05

Quarterly PFAS compound monitoring of drinking water commenced in 2024. Results of PFAS compounds with ADWG guideline values specified are:

Parameter	Unit of Measure	ADWG health guideline value	Number of samples for quarter	Average for quarter	Maximum for quarter	Number of samples for previous 12 months	Average for previous 12 months	Maximum for previous 12 months
PFOS + PFHxS	µg/L	0.07	8	<0.002	<0.002	19	<0.002	<0.002
PFOA	µg/L	0.56	8	<0.001	<0.001	19	<0.001	<0.001