

Western Treatment Plant Recycled Water Quality

Metals analysis in mg/L	LTV Limit *	STV Limit *	Median		Physical Chemistry	LTV Limit *	STV Limit *	Median
Aluminium	5	20	0.09		pH			7.7
Antimony			0.0005		BOD5 (mg/L)			1
Arsenic	0.1	2	0.002		Suspended Solids (mg/L)			4
Barium			0.006		<i>E.coli</i> post disinfection (orgs/100mL)			2
Beryllium	0.1	0.5	0.0005		Somatic Coliphage			0.5
Boron	0.5		0.18		Total Nitrogen (mg-N/L)	5	25-125	25
Cadmium	0.01	0.05	0.0001		Nitrite (mg-N/L)			0.005
Chromium	0.1	1	0.0005		Nitrate (mg-N/L)			22
Cobalt	0.05	0.1	0.0005		Total Phosphorous (mg-P/L)	0.05	0.8-12	9.5
Copper	0.2	5	0.006					
Iron	0.2	10	0.09					
Lead	2	5	0.0005		Salinity Indicators			Median
Lithium	2.5 [#]	2.5 [#]	0.01		Sodium (mg/L)			260
Manganese	0.2	10	0.042		Potassium (mg/L)			29
Mercury	0.002	0.002	0.00005		Calcium (mg/L)			24
Molybdenum	0.01	0.05	0.003		Magnesium (mg/L)			22
Nickel	0.2	2	0.009		SAR			9.1
Selenium	0.02	0.05	0.0005		Chloride (mg-Cl/L)			370
Silver			0.0005		TDS (mg/L)			970
Thorium			0.0051		TDS Inorganic (mg/L)			830
Tin			0.0005		TDS Organic (mg/L)			140
Vanadium	0.1	0.5	0.001		Electrical Conductivity			1800
Zinc	2	5	0.027					
					Aesthetic Indicator			Median
					Colour (Pt/co units)			14
* ARMCANZ / ANZECC Long Term trigger Value (up to 100 years)								
* ARMCANZ / ANZECC Short Term trigger Value (up to 20 years)								
# Lithium STV & LTV for citrus crops is 0.075 mg/l								