

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	0.04		pH			7.5
Antimony			0.001		BOD5 (mg/L)			1
Arsenic	0.1	2	0.002		Suspended Solids (mg/L)			1
Barium			0.006		<i>E.coli</i> post disinfection (orgs/100mL)			0
Beryllium	0.1	0.5	0.0005		Somatic Coliphage			0.5
Boron	0.5		0.14		Total Nitrogen (mg-N/L)	5	25-125	18
Cadmium	0.01	0.05	0.0001		Nitrite (mg-N/L)			0.005
Chromium	0.1	1	0.0005		Nitrate (mg-N/L)			17
Cobalt	0.05	0.1	0.001		Total Phosphorous (mg-P/L)	0.05	0.8-12	9.5
Copper	0.2	5	0.008					
Iron	0.2	10	0.05					
Lead	2	5	0.0005		Salinity Indicators			Median
Lithium	2.5 [#]	2.5 [#]	0.01		Sodium (mg/L)			300
Manganese	0.2	10	0.024		Potassium (mg/L)			38
Mercury	0.002	0.002	0.00005		Calcium (mg/L)			31
Molybdenum	0.01	0.05	0.004		Magnesium (mg/L)			27
Nickel	0.2	2	0.01		SAR			9.3
Selenium	0.02	0.05	0.0005		Chloride (mg-Cl/L)			400
Silver			0.0005		TDS (mg/L)			1090
Thorium			0.001		TDS Inorganic (mg/L)			895
Tin			0.0005		TDS Organic (mg/L)			195
Vanadium	0.1	0.5	0.001		Electrical Conductivity			1900
Zinc	2	5	0.018					
					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								