

Western Treatment Plant Recycled Water Quality

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Metals analysis in mg/L	LTV Limit *	STV Limit *	Median		Physical Chemistry	LTV Limit *	STV Limit *	Median
Aluminium	5	20	0		pH			0
Antimony			0		BOD5 (mg/L)			0
Arsenic	0.1	2	0		Suspended Solids (mg/L)			0
Barium			0		<i>E.coli</i> post disinfection (orgs/100mL)			0
Beryllium	0.1	0.5	0		Somatic Coliphage			0
Boron	0.5		0		Total Nitrogen (mg-N/L)	5	25-125	0
Cadmium	0.01	0.05	0		Nitrite (mg-N/L)			0
Chromium	0.1	1	0		Nitrate (mg-N/L)			0
Cobalt	0.05	0.1	0		Total Phosphorous (mg-P/L)	0.05	0.8-12	0
Copper	0.2	5	0					
Iron	0.2	10	0		Salinity Indicators			Median
Lead	2	5	0		Sodium (mg/L)			0
Lithium	2.5 [#]	2.5 [#]	0		Potassium (mg/L)			0
Manganese	0.2	10	0		Calcium (mg/L)			0
Mercury	0.002	0.002	0		Magnesium (mg/L)			0
Molybdenum	0.01	0.05	0		SAR			0
Nickel	0.2	2	0		Chloride (mg-Cl/L)			0
Selenium	0.02	0.05	0		TDS (mg/L)			0
Silver			0		TDS Inorganic (mg/L)			0
Thorium			0		TDS Organic (mg/L)			0
Tin			0		Electrical Conductivity			0
Vanadium	0.1	0.5	0					
Zinc	2	5	0		Aesthetic Indicator			Median
					Colour (Pt/co units)			0
* 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								