

SRW Summary

Western Treatment Plant Recycled Water Quality

Metals analysis in mg/L	LTV Limit *	STV Limit *	Median
Aluminium	5	20	#REF!
Antimony			#REF!
Arsenic	0.1	2	#REF!
Barium			#REF!
Beryllium	0.1	0.5	#REF!
Boron	0.5		#REF!
Cadmium	0.01	0.05	#REF!
Chromium	0.1	1	#REF!
Cobalt	0.05	0.1	#REF!
Copper	0.2	5	#REF!
Iron	0.2	10	#REF!
Lead	2	5	#REF!
Lithium	2.5 [#]	2.5 [#]	#REF!
Manganese	0.2	10	#REF!
Mercury	0.002	0.002	#REF!
Molybdenum	0.01	0.05	#REF!
Nickel	0.2	2	#N/A
Selenium	0.02	0.05	#REF!
Silver			#REF!
Thorium			#REF!
Tin			#REF!
Vanadium	0.1	0.5	#REF!
Zinc	2	5	#REF!

Physical Chemistry	LTV Limit *	STV Limit *	Median
pH			0.17
BOD5 (mg/L)			#REF!
Suspended Solids (mg/L)			#REF!
<i>E.coli</i> post disinfection (orgs/100mL)			#REF!
Somatic Coliphage			#REF!
Total Nitrogen (mg-N/L)	5	25-125	#REF!
Nitrite (mg-N/L)			#REF!
Nitrate (mg-N/L)			#REF!
Total Phosphorous (mg-P/L)	0.05	0.8-12	#REF!

Salinity Indicators	Median
Sodium (mg/L)	#REF!
Potassium (mg/L)	#REF!
Calcium (mg/L)	#REF!
Magnesium (mg/L)	#REF!
SAR	#REF!
Chloride (mg-Cl/L)	#REF!
TDS (mg/L)	#REF!
TDS Inorganic (mg/L)	#REF!
TDS Organic (mg/L)	#REF!
Electrical Conductivity	#REF!

Aesthetic Indicator	Median
Colour (Pt/co units)	#REF!

* 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