

Horticultural and Industrial Users Recycled Water Quality Report

South Bay Water Reclamation Plant (SBWRP)

September 2017

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	SBWRP Recycled Water
Alkalinity	CaCO ₃	mg/L	-----	
Hydrogen Ion Activity	pH	Units	6.0 -9.0	
Electrical Conductivity	ECw	umhos/cm	-----	
Total Dissolved Solids	TDS	mg/L	1,200	
Calcium	Ca	mg/L	-----	
Magnesium	Mg	mg/L	-----	
Potassium	K	mg/L	-----	
Sodium	Na	mg/L	-----	
Sulfate	SO ₄	mg/L	-----	
Iron	Fe	mg/L	0.3	
Zinc	Zn	mg/L	-----	
Manganese	Mn	mg/L	0.05	
Boron	B	mg/L	0.7	
Ammonia - Nitrogen	NH ₃ -N	mg/L	-----	
Nitrate	NO ₃ -N	mg/L	-----	
Total Nitrogen (Actual)	N	mg/L	-----	
Phosphorus	P	mg/L	-----	
Chloride	Cl	mg/L	300	
Total Nitrogen (Actual)	N	lbs/ acre ft ⁴	-----	
Phosphorus Pentoxide ¹	P ₂ O ₅	lbs/ acre ft ⁴	-----	
Potassium Oxide ²	K ₂ O	lbs/ acre ft ⁴	-----	
Residual Sodium Carbonate	RSC	meq/L	<1.25	
Adjusted Sodium Adsorption Ratio	SAR	Calculated	6	

¹Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P₂O₅) calculated by multiplying P by 2.3.

²Determined as Potassium in the elemental form (K); Potassium Oxide (K₂O) calculated by multiply K by 1.2.

³ SDRWQCB Order #2000-203

⁴This value is presented in lbs/acre-ft of water applied 1 mg/L = 2.719 lbs/ac ft

* 1mg/L = 1ppm

----- = No Permit Limits

** Value exceeded permit limit of 6