

**PUBLIC UTILITIES DEPARTMENT
 ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES**

**South Bay Water Reclamation Plant (SBWRP)
 Horticultural and Industrial Users Recycled Water Quality Report**

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	SBWRP Recycled Water
Alkalinity	CaCO ₃	mg/L		
Ammonia - Nitrogen	NH ₃ -N	mg/L	-----	
Biological Oxygen Demand	BOD5@20C	mg/L	30	
Electrical Conductivity	ECw	umhos/cm	-----	
Hydrogen Ion Activity	pH	Units	6.5 -9.0	
Methylene Blue-Activated Substances	MBAS	mg/L	0.5	NR*
Total Dissolved Solids	TDS	mg/L	1,200	
Total Suspended Solids	TSS	mg/L	30	
Chloride	Cl	mg/L	300	
Fluoride (F)	F	mg/L	1.0	
Nitrate as N	NO ₃ -N	mg/L	-----	
Nitrite as N	NO ₂ -N	mg/L	-----	
Sulfate	SO ₄	mg/L	300	
Boron	B	mg/L	0.75	
Calcium	Ca	mg/L	-----	
Iron	Fe	mg/L	0.3	
Magnesium	Mg	mg/L	-----	
Manganese	Mn	mg/L	0.05	
Phosphorus	P	mg/L	-----	
Potassium	K	mg/L	-----	
Sodium	Na	mg/L	-----	
Zinc	Zn	mg/L	-----	
Sodium (Na) Hazard	%Na	%	60 %	
Total Nitrogen (Actual)	N	mg/L	15	
Actual Application Rates				
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		

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 multiplying K by 1.2.

³SDRWQCB Order #R9-2021--0015

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

NR= Not Required. The permit mandates quarterly analyses. 1mg/L = 1ppm

----- - No Permit Limits