

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

**South Bay Water Reclamation Plant (SBWRP)
Horticultural and Industrial Users Recycled Water Quality Report
AUGUST-2026**

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	SBWRP Recycled Water
Alkalinity	CaCO ₃	mg/L		161
Ammonia - Nitrogen	NH ₃ -N	mg/L	-----	0.815
Biological Oxygen Demand	BOD5@20C	mg/L	30	2
Electrical Conductivity	ECw	umhos/cm	-----	1480
Hydrogen Ion Activity	pH	Units	6.5 -9.0	7.27
Methylene Blue-Activated Substances	MBAS	mg/L	0.5	0.0704
Total Dissolved Solids	TDS	mg/L	1,200	897
Total Suspended Solids	TSS	mg/L	30	<2.5
Chloride	Cl	mg/L	300	233
Fluoride (F)	F	mg/L	1.0	0.693
Nitrate as N	NO ₃ -N	mg/L	-----	6.63
Nitrite as N	NO ₂ -N	mg/L	-----	0.365
Sulfate	SO ₄	mg/L	300	155
Boron	B	mg/L	0.75	0.347
Calcium	Ca	mg/L	-----	61.1
Iron	Fe	mg/L	0.3	0.0399
Magnesium	Mg	mg/L	-----	26.7
Manganese	Mn	mg/L	0.05	0.0271
Phosphorus	P	mg/L	-----	0.394
Potassium	K	mg/L	-----	17.9
Sodium	Na	mg/L	-----	204
Zinc	Zn	mg/L	-----	0.0128
Sodium (Na) Hazard	%Na	%	60 %	60.9
Total Nitrogen (Actual)	N	mg/L	15	7.68
Total Nitrogen (Actual)	N	lbs/ acre ft ⁴	-----	20.9
Phosphorus Pentoxide ¹	P ₂ O ₅	lbs/ acre ft ⁴	-----	2.46
Potassium Oxide ²	K ₂ O	lbs/ acre ft ⁴	-----	58.4
Residual Sodium Carbonate	RSC	meq/L	<1.25	-1.97
Adjusted Sodium Adsorption Ratio	SAR	Calculated		6.01

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

* 1mg/L = 1ppm

----- = No Permit Limits