Environmental Monitoring and Technical Services
2392 Kincaid Road MS 45A. San Diego, CA 92101
Tel (619) 758-2300 Fax (619) 758-2309

PUBLIC UTILITIES DEPARTMENT
ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES

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

SEPTEMBER-2026

	Symbol	Unit of Measurement	Recycled Water Permit Limit[3]	SBWRP Recycled Water
Alkalinity	$CaCO_3$	mg/L		167
Ammonia - Nitrogen	NH_3-N	mg/L	-------	<0.300
Biological Oxygen Demand	BOD5@20C	mg/L	30	2.1
Electrical Conductivity	ECw	umhos/cm	-------	1520
Hydrogen Ion Activity	pH	Units	6.5 -9.0	7.28
Methylene Blue-Activated Substances	MBAS	mg/L	0.5	0.0832
Total Dissolved Solids	TDS	mg/L	1,200	925
Total Suspended Solids	TSS	mg/L	30	<2.5
Chloride	Cl	mg/L	300	250
Fluoride (F)	F	mg/L	1.0	0.608
Nitrate as N	NO_3-N	mg/L	-------	6.8
Nitrite as N	NO2-N	mg/L	-----	0.343
Sulfate	SO_4	mg/L	300	155
Boron	B	mg/L	0.75	0.375
Calcium	Ca	mg/L	-------	58.8
Iron	Fe	mg/L	0.3	0.0449
Magnesium	Mg	mg/L	-------	27
Manganese	Mn	mg/L	0.05	0.0537
Phosphorus	P	mg/L	-------	0.343
Potassium	K	mg/L	-------	17.4
Sodium	Na	mg/L	-------	201
Zinc	Zn	mg/L	-------	0.0114
Sodium (Na) Hazard	%Na	%	60 %	61
Total Nitrogen (Actual)	N	mg/L	15	7.77
Total Nitrogen (Actual)	N	lbs/ acre ft[4]	-------	21.1
Phosphorus Pentoxide[1]	P_2O_5	lbs/ acre ft[4]	-------	2.15
Potassium Oxide[2]	K_2O	lbs/ acre ft[4]	-------	56.8
Residual Sodium Carbonate	RSC	meq/L	<1.25	-1.74
Adjusted Sodium Adsoprtion Ratio	SAR	Calculated		5.91

[1]Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P_2O_5) calculated by multiplying P by 2.3.

[2]Determined as Potassium in the elemental form (K); Potassium Oxide (K_2O) calculated by multiplying K by 1.2.

[3]SDRWQCB Order #R9-2021--0015

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

* 1mg/L = 1ppm

-------- = No Permit Limits