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
MAY-2022

	Symbol	Unit of Measurement	Recycled Water Permit Limit[3]	SBWRP Recycled Water
Alkalinity	$CaCO_3$	mg/L		177
Ammonia - Nitrogen	NH_3-N	mg/L	-------	<0.300
Biological Oxygen Demand	BOD5@20C	mg/L	30	2.08
Electrical Conductivity	ECw	umhos/cm	-------	1550
Hydrogen Ion Activity	pH	Units	6.5 -9.0	7.33
Methylene Blue-Activated Substances	MBAS	mg/L	0.5	0.0770
Total Dissolved Solids	TDS	mg/L	1,200	909
Total Suspended Solids	TSS	mg/L	30	<2.50
Chloride	Cl	mg/L	300	250
Fluoride (F)	F	mg/L	1.0	0.578
Nitrate as N	NO_3-N	mg/L	-------	6.93
Nitrite as N	NO2-N	mg/L	-----	0.0367
Sulfate	SO_4	mg/L	300	190
Boron	B	mg/L	0.75	0.401
Calcium	Ca	mg/L	-------	66.5
Iron	Fe	mg/L	0.3	0.0175
Magnesium	Mg	mg/L	-------	28.5
Manganese	Mn	mg/L	0.05	0.00235
Phosphorus	P	mg/L	-------	0.356
Potassium	K	mg/L	-------	16.1
Sodium	Na	mg/L	-------	210
Zinc	Zn	mg/L	-------	0.0284
Sodium (Na) Hazard	%Na	%	60 %	60.1
Total Nitrogen (Actual)	N	mg/L	15	7.64
Total Nitrogen (Actual)	N	lbs/ acre ft[4]	-------	20.8
Phosphorus Pentoxide[1]	P_2O_5	lbs/ acre ft[4]	-------	2.23
Potassium Oxide[2]	K_2O	lbs/ acre ft[4]	-------	52.4
Residual Sodium Carbonate	RSC	meq/L	<1.25	-2.08
Adjusted Sodium Adsoprtion Ratio	SAR	Calculated		5.94

[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