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Horticultural and Industrial Users Recycled Water Quality Report

South Bay Water Reclamation Plant (SBWRP)

NOVEMBER -2017

	Symbol	Unit of Measurement	Recycled Water Permit Limit[3]	SBWRP Recycled Water
Alkalinity	$CaCO_3$	mg/L	-------	163
Hydrogen Ion Activity	pH	Units	6.0 -9.0	7.1
Electrical Conductivity	ECw	umhos/cm	-------	1490
Total Dissolved Solids	TDS	mg/L	1,200	886
Calcium	Ca	mg/L	-------	54.6
Magnesium	Mg	mg/L	-------	27.3
Potassium	K	mg/L	-------	18.5
Sodium	Na	mg/L	-------	210
Sulfate	SO_4	mg/L	250	123
Iron	Fe	mg/L	0.3	.0443
Zinc	Zn	mg/L	-------	.0605
Manganese	Mn	mg/L	0.05	.019
Boron	B	mg/L	0.75	.464
Ammonia - Nitrogen	NH_3-N	mg/L	-------	ND
Nitrate	NO_3-N	mg/L	-------	8
Total Nitrogen (Actual)	N	mg/L	-------	6.49
Phosphorus	P	mg/L	-------	3.89
Chloride	Cl	mg/L	300	256
Total Nitrogen (Actual)	N	lbs/ acre ft[4]	-------	17.6
Phosphorus Pentoxide[1]	P_2O_5	lbs/ acre ft[4]	-------	24.3
Potassium Oxide[2]	K_2O	lbs/ acre ft[4]	-------	60.4
Residual Sodium Carbonate	RSC	meq/L	<1.25	-1.75
Adjusted Sodium Adsoprtion Ratio	SAR	Calculated	6	6.17

[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 multiply K by 1.2.

[3] SDRWQCB Order #2000-203

[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