

**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 | |
| 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 | |
| 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

* 1mg/L = 1ppm

----- = No Permit Limits