

**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 <sup>3</sup> | SBWRP Recycled Water |
|-------------------------------------|-------------------------------|---------------------------|--|----------------------|
| Alkalinity                          | CaCO <sub>3</sub>             | mg/L                      |  |                      |
| Ammonia - Nitrogen                  | NH <sub>3</sub> -N            | mg/L                      | -----                                    |                      |
| Biological Oxygen Demand            | <a href="#">BOD5@20C</a>      | 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                                      | <b>NR*</b>           |
| 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 <sub>3</sub> -N            | mg/L                      | -----                                    |                      |
| Nitrite as N                        | NO <sub>2</sub> -N            | mg/L                      | -----                                    |                      |
| Sulfate                             | SO <sub>4</sub>               | 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 <sup>4</sup> | -----                                    |                      |
| Phosphorus Pentoxide <sup>1</sup>   | P <sub>2</sub> O <sub>5</sub> | lbs/ acre ft <sup>4</sup> | -----                                    |                      |
| Potassium Oxide <sup>2</sup>        | K <sub>2</sub> O              | lbs/ acre ft <sup>4</sup> | -----                                    |                      |
| Residual Sodium Carbonate           | RSC                           | meq/L                     | <1.25                                    |                      |
| Adjusted Sodium Adsorption Ratio    | SAR                           | Calculated                |  |                      |

<sup>1</sup>Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P<sub>2</sub>O<sub>5</sub>) calculated by multiplying P by 2.3.

<sup>2</sup>Determined as Potassium in the elemental form (K); Potassium Oxide (K<sub>2</sub>O) calculated by multiplying K by 1.2.

<sup>3</sup>SDRWQCB Order #R9-2021--0015

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

NR\*= Not Required. The permit mandates quarterly analyses. We completed them in July and August, meeting the requirement. The next MBAS analysis is scheduled for October 2024.

1mg/L = 1ppm

----- - No Permit Limits