

## **Horticultural and Industrial Users Recycled Water Quality Report**

North City Water Reclamation Plant (NCWRP)

|                                   | Symbol             | Unit of<br>Measurement    | Recycled Water<br>Permit Limit <sup>3</sup> | NCWRP Recycled<br>Water |
|-----------------------------------|--------------------|---------------------------|---|-------------------------|
| Alkalinity                        | CaCO <sub>3</sub>  | mg/L                      |   | T                       |
| Hydrogen Ion Activity             | pH                 | Units                     | 6.5 - 8.5                                   |                         |
| Electrical Conductivity           | ECw                | umhos/cm                  |   |                         |
| Total Dissolved Solids            | TDS                |                           | 1,200                                       |                         |
| Calcium                           |                    | mg/L                      | ·   |                         |
|                                   | Ca                 | mg/L                      |   |                         |
| Magnesium                         | Mg                 | mg/L                      |   |                         |
| Potassium                         | K                  | mg/L                      |   |                         |
| Sodium                            | Na                 | mg/L                      |   |                         |
| Sulfate                           | SO₄                | mg/L                      | 300   |                         |
| Iron                              | Fe                 | mg/L                      | 0.3   |                         |
| Zinc                              | Zn                 | mg/L                      |   |                         |
| Manganese <sup>5</sup>            | Mn                 | mg/L                      | 0.1   |                         |
| Boron                             | В                  | mg/L                      | 0.75  |                         |
| Ammonia - Nitrogen                | NH <sub>3</sub> -N | mg/L                      |   |                         |
| Nitrate as N                      | NO <sub>3</sub> -N | mg/L                      |   |                         |
| Total Nitrogen (Actual)           | N                  | mg/L                      |   |                         |
| Phosphorus                        | Р                  | mg/L                      |   |                         |
| Chloride                          | CI                 | mg/L                      | 300   |                         |
|                                   |                    |                           |   |                         |
| Total Nitrogen (Actual)           | N                  | lbs/ acre ft <sup>4</sup> |   |                         |
| Phosphorus Pentoxide <sup>1</sup> | $P_2O_5$           | lbs/ acre ft4             |   |                         |
| Potassium Oxide <sup>2</sup>      | K <sub>2</sub> O   | lbs/ acre ft4             |   |                         |
| 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 ( $P_{2}O_{5}$ ) calculated by multiplying P by 2.3.

 $<sup>^{2}</sup>$ Determined as Potassium in the elemental form (K); Potassium Oxide (K $_{2}$ O) calculated by multiply K by 1.2.

<sup>&</sup>lt;sup>3</sup> SDRWQCB Order #R9-2015-0091

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

 $<sup>^{\</sup>rm 5}\text{Compliance}$  for Manganese is based on the annual average value.

<sup>\* 1</sup>mg/L = 1ppm

<sup>----- =</sup> No Permit Limits

<sup>\*\*</sup> Not a limit of permit SDRWQCB Order #R9-2015-0091