

## Horticultural and Industrial Users Recycled Water Quality Report

### North City Water Reclamation Plant (NCWRP)

|                                   | Symbol                        | Unit of Measurement       | Recycled Water Permit Limit <sup>3</sup> | NCWRP Recycled Water |
|-----------------------------------|-------------------------------|---------------------------|--|----------------------|
| Alkalinity                        | CaCO <sub>3</sub>             | mg/L                      | -----                                    |                      |
| Hydrogen Ion Activity             | pH                            | Units                     | 6.5 - 8.5                                |                      |
| Electrical Conductivity           | ECw                           | umhos/cm                  | -----                                    |                      |
| Total Dissolved Solids            | TDS                           | mg/L                      | 1,200                                    |                      |
| Calcium                           | Ca                            | mg/L                      | -----                                    |                      |
| Magnesium                         | Mg                            | mg/L                      | -----                                    |                      |
| Potassium                         | K                             | mg/L                      | -----                                    |                      |
| Sodium                            | Na                            | mg/L                      | -----                                    |                      |
| Sulfate                           | SO <sub>4</sub>               | mg/L                      | 300                                      |                      |
| Iron                              | Fe                            | mg/L                      | 0.3                                      |                      |
| Zinc                              | Zn                            | mg/L                      | -----                                    |                      |
| Manganese <sup>5</sup>            | Mn                            | mg/L                      | 0.1                                      |                      |
| Boron                             | B                             | 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                        | P                             | mg/L                      | -----                                    |                      |
| Chloride                          | Cl                            | mg/L                      | 300                                      |                      |
|                                   |                               |                           |  |                      |
| 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                | 6  |                      |

<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 multiply K by 1.2.

<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>5</sup>Compliance for Manganese is based on the annual average value.

\* 1mg/L = 1ppm

----- = No Permit Limits