

## **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		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