

**PUBLIC UTILITIES DEPARTMENT  
ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES**

**North City Water Reclamation Plant (NCWRP)  
Horticultural and Industrial Users Recycled Water Quality Report**

**October 2012**

	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	6.0 -9.0	
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	S	mg/L	-----	
Iron	Fe	mg/L	0.3	
Zinc	Zn	mg/L	-----	
Manganese	Mn	mg/L	0.05	
Boron	B	mg/L	0.7	
Ammonia - Nitrogen	NH <sub>3</sub> -N	mg/L	-----	
Nitrate	NO <sub>3</sub>	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 #97-03

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

\* 1mg/L = 1ppm

----- = No Permit Limits

\*\* The Conductivity was not analyzed the calculated value is 1480 umhos/cm