PUBLIC UTILITIES DEPARTMENT ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES

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

January 2011

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	NCWRP Recycled Water
Alkalinity	CaCO ₃	m a /l		
,	pH	mg/L		
Hydrogen Ion Activity	·	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	В	mg/L	0.7	
Ammonia - Nitrogen	NH ₃ -N	mg/L		
Nitrate	NO ₃	mg/L		
Total Nitrogen (Actual)	N	mg/L		
Phosphorus	Р	mg/L		
Chloride	CI	mg/L	300	
Total Nitrogen (Actual)	N	lbs/ acre ft4		
Phosphorus Pentoxide ¹	P_2O_5	lbs/ acre ft4		
Potassium Oxide ²	K ₂ O	lbs/ acre ft4		
Residual Sodium Carbonate	RSC	meq/L	<1.25	
Adjusted Sodium Adsoprtion Ratio	SAR	Calculated	6	

¹Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P₂O₅) calculated by multiplying P by 2.3.

----- = No Permit Limits

 $^{^2}$ Determined as Potassium in the elemental form (K); Potassium Oxide (K $_2$ O) calculated by multiply K by 1.2.

³ SDRWQCB Order #97-03

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

^{* 1}mg/L = 1ppm