

Horticultural and Industrial Users Recycled Water Quality Report

North City Water Reclamation Plant (NCWRP)

October-2025

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	NCWRP Recycled Water
Alkalinity	CaCO ₃	mg/L	-----	105
Hydrogen Ion Activity	pH	Units	6.5 - 8.5	7.11
Electrical Conductivity	ECw	umhos/cm	-----	1320
Total Dissolved Solids	TDS	mg/L	1,200	751
Calcium	Ca	mg/L	-----	66.3
Magnesium	Mg	mg/L	-----	28.5
Potassium	K	mg/L	-----	18.6
Sodium	Na	mg/L	-----	165
Sulfate	SO ₄	mg/L	300	190
Iron	Fe	mg/L	0.3	0.0387
Zinc	Zn	mg/L	-----	0.0173
Manganese ⁵	Mn	mg/L	0.1	0.0653
Boron	B	mg/L	0.75	0.231
Ammonia - Nitrogen	NH ₃ -N	mg/L	-----	ND
Nitrate as N	NO ₃ -N	mg/L	-----	16.0
Total Nitrogen (Actual)	N	mg/L	-----	19.1
Phosphorus	P	mg/L	-----	1.63
Chloride	Cl	mg/L	300	220
Total Nitrogen (Actual)	N	lbs/ acre ft ⁴	-----	51.9
Phosphorus Pentoxide ¹	P ₂ O ₅	lbs/ acre ft ⁴	-----	10.2
Potassium Oxide ²	K ₂ O	lbs/ acre ft ⁴	-----	60.7
Residual Sodium Carbonate	RSC	meq/L	<1.25**	-3.86
Adjusted Sodium Adsorption Ratio	SAR	Calculated	-----	4.14

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

²Determined as Potassium in the elemental form (K); Potassium Oxide (K₂O) calculated by multiply K by 1.2.

³SDRWQCB Order #R9-2015-0091

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

⁵Compliance for Manganese is based on the annual average value.

* 1mg/L = 1ppm

----- = No Permit Limits

** Not a limit of permit SDRWQCB Order #R9-2015-0091