

Horticultural and Industrial Users Recycled Water Quality Report

North City Water Reclamation Plant (NCWRP)

December-2025

	Symbol	Unit of Measurement	Recycled Water Permit Limit ³	NCWRP Recycled Water
Alkalinity ⁶	CaCO ₃	mg/L	-----	97.8
Hydrogen Ion Activity ⁶	pH	Units	6.5 - 8.5	6.90
Electrical Conductivity ⁶	ECw	umhos/cm	-----	1990
Total Dissolved Solids ⁶	TDS	mg/L	1,200	750
Calcium	Ca	mg/L	-----	56.9
Magnesium	Mg	mg/L	-----	25.5
Potassium	K	mg/L	-----	15.5
Sodium	Na	mg/L	-----	149
Sulfate	SO ₄	mg/L	300	150
Iron	Fe	mg/L	0.3	0.0625
Zinc	Zn	mg/L	-----	0.0206
Manganese ⁵	Mn	mg/L	0.1	0.0926
Boron	B	mg/L	0.75	0.218
Ammonia - Nitrogen	NH ₃ -N	mg/L	-----	ND
Nitrate as N	NO ₃ -N	mg/L	-----	13.0
Total Nitrogen (Actual)	N	mg/L	-----	19.7
Phosphorus	P	mg/L	-----	1.10
Chloride	Cl	mg/L	300	200
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Total Nitrogen (Actual)	N	lbs/ acre ft ⁴	-----	53.6
Phosphorus Pentoxide ¹	P ₂ O ₅	lbs/ acre ft ⁴	-----	6.88
Potassium Oxide ²	K ₂ O	lbs/ acre ft ⁴	-----	50.6
Residual Sodium Carbonate	RSC	meq/L	<1.25**	-3.20
Adjusted Sodium Adsorption Ratio	SAR	Calculated	-----	3.95

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.

³ SDRWQCB 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

⁶Contributing Laboratories: City of San Diego North City Process and Compliance Laboratory

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