Environmental Monitoring and Technical Services
5530 Kiowa Drive. La Mesa, CA 91942
Tel (619) 668-3214 ELAP Cert #1609

Horticultural and Industrial Users Recycled Water Quality Report

North City Water Reclamation Plant (NCWRP)

September-2026

	Symbol	Unit of Measurement	Recycled Water Permit Limit[3]	NCWRP Recycled Water
Alkalinity[6]	$CaCO_3$	mg/L	-------	138
Hydrogen Ion Activity[6]	pH	Units	6.5 - 8.5	7.05
Electrical Conductivity[6]	ECw	umhos/cm	-------	1460
Total Dissolved Solids[6]	TDS	mg/L	1,200	846
Calcium	Ca	mg/L	-------	70.9
Magnesium	Mg	mg/L	-------	32.0
Potassium	K	mg/L	-------	18.6
Sodium	Na	mg/L	-------	182
Sulfate	SO_4	mg/L	300	170
Iron	Fe	mg/L	0.3	0.0382
Zinc	Zn	mg/L	-------	0.0221
Manganese[5]	Mn	mg/L	0.1	0.0345
Boron	B	mg/L	0.75	0.233
Ammonia - Nitrogen	NH_3-N	mg/L	-------	ND
Nitrate as N	NO_3-N	mg/L	-------	7.20
Total Nitrogen (Actual)	N	mg/L	-------	8.60
Phosphorus	P	mg/L	-------	2.37
Chloride	Cl	mg/L	300	220
Total Nitrogen (Actual)	N	lbs/ acre ft[4]	-------	23.4
Phosphorus Pentoxide[1]	P_2O_5	lbs/ acre ft[4]	-------	14.8
Potassium Oxide[2]	K_2O	lbs/ acre ft[4]	-------	60.7
Residual Sodium Carbonate	RSC	meq/L	<1.25**	-3.39
Adjusted Sodium Adsorption Ratio	SAR	Calculated	-------	4.88

[1]Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P_2O_5) calculated by multiplying P by 2.3.

[2]Determined as Potassium in the elemental form (K); Potassium Oxide (K_2O) calculated by multiply K by 1.2.

[3] SDRWQCB Order #R9-2015-0091

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

[5]Compliance 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

[6]Contributing Laboratories: City of San Diego North City Process and Compliance Laboratory
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ELAP Cert #2477