

## Horticultural and Industrial Users Recycled Water Quality Report

### North City Water Reclamation Plant (NCWRP)

November-2025

	Symbol	Unit of Measurement	Recycled Water Permit Limit <sup>3</sup>	NCWRP Recycled Water
Alkalinity <sup>6</sup>	CaCO <sub>3</sub>	mg/L	-----	120
Hydrogen Ion Activity <sup>6</sup>	pH	Units	6.5 - 8.5	6.90
Electrical Conductivity <sup>6</sup>	ECw	umhos/cm	-----	1400
Total Dissolved Solids <sup>6</sup>	TDS	mg/L	1,200	723
Calcium	Ca	mg/L	-----	72.6
Magnesium	Mg	mg/L	-----	31.5
Potassium	K	mg/L	-----	17.6
Sodium	Na	mg/L	-----	179
Sulfate	SO <sub>4</sub>	mg/L	300	210
Iron	Fe	mg/L	0.3	0.0537
Zinc	Zn	mg/L	-----	0.0260
Manganese <sup>5</sup>	Mn	mg/L	0.1	0.0881
Boron	B	mg/L	0.75	0.262
Ammonia - Nitrogen	NH <sub>3</sub> -N	mg/L	-----	ND
Nitrate as N	NO <sub>3</sub> -N	mg/L	-----	16.0
Total Nitrogen (Actual)	N	mg/L	-----	16.0
Phosphorus	P	mg/L	-----	1.55
Chloride	Cl	mg/L	300	240
Total Nitrogen (Actual)	N	lbs/ acre ft <sup>4</sup>	-----	43.5
Phosphorus Pentoxide <sup>1</sup>	P <sub>2</sub> O <sub>5</sub>	lbs/ acre ft <sup>4</sup>	-----	9.69
Potassium Oxide <sup>2</sup>	K <sub>2</sub> O	lbs/ acre ft <sup>4</sup>	-----	57.4
Residual Sodium Carbonate	RSC	meq/L	<1.25**	-4.10
Adjusted Sodium Adsorption Ratio	SAR	Calculated	-----	4.54

<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 #R9-2015-0091

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

<sup>5</sup>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

<sup>6</sup>Contributing Laboratories: City of San Diego North City Process and Compliance Laboratory  
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ELAP Cert #2477