

## Horticultural and Industrial Users Recycled Water Quality Report

### North City Water Reclamation Plant (NCWRP)

December-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	-----	97.8
Hydrogen Ion Activity <sup>6</sup>	pH	Units	6.5 - 8.5	6.90
Electrical Conductivity <sup>6</sup>	ECw	umhos/cm	-----	1990
Total Dissolved Solids <sup>6</sup>	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 <sub>4</sub>	mg/L	300	150
Iron	Fe	mg/L	0.3	0.0625
Zinc	Zn	mg/L	-----	0.0206
Manganese <sup>5</sup>	Mn	mg/L	0.1	0.0926
Boron	B	mg/L	0.75	0.218
Ammonia - Nitrogen	NH <sub>3</sub> -N	mg/L	-----	ND
Nitrate as N	NO <sub>3</sub> -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
Total Nitrogen (Actual)	N	lbs/ acre ft <sup>4</sup>	-----	53.6
Phosphorus Pentoxide <sup>1</sup>	P <sub>2</sub> O <sub>5</sub>	lbs/ acre ft <sup>4</sup>	-----	6.88
Potassium Oxide <sup>2</sup>	K <sub>2</sub> O	lbs/ acre ft <sup>4</sup>	-----	50.6
Residual Sodium Carbonate	RSC	meq/L	<1.25**	-3.20
Adjusted Sodium Adsorption Ratio	SAR	Calculated	-----	3.95

<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