

# Minneapolis Water Works

## Monthly Plant Effluent Water Analysis

November 2025



In this report, parts per million is shortened to ppm.

### Physical and Chemical Water Quality

Physical state or chemical	Plant effluent average value
Temperature, River Water Average (°C)	8.5
Total Organic Carbon (ppm as C)	3.33
Total Dissolved Solids (ppm)	142
Turbidity (NTU)	0.04
Alkalinity-Total (ppm as CaCO <sub>3</sub> )	56
Ammonia Nitrogen (ppm as N)	0.88
Total Chloramine Residual (ppm as NH <sub>2</sub> Cl)	3.9
Fluoride-F (ppm as F)	0.67
pH	9.07
Nitrate - NO <sub>3</sub> (ppm as N)	0.80
Nitrite - NO <sub>2</sub> (ppm as N)	<0.015
Phosphate-PO <sub>4</sub> (ppm as PO <sub>4</sub> )	0.81
Sulfate - SO <sub>4</sub> (ppm as SO <sub>4</sub> )	28.3
Total Hardness (grains per gallon) EDTA method	5.4
Total Hardness (ppm as CaCO <sub>3</sub> ) EDTA method	92

### Chemical Water Quality

Chemical element	Plant effluent average volume
Aluminum-Al (ppm as Al)	Not Detected
Arsenic-As (ppm as As)	Not Detected
Cadmium-Cd (ppm as Cd)	Not Detected
Calcium-Ca (ppm as Ca)	27.0
Chloride-Cl (ppm as Cl)	34.2
Chromium (ppm as Cr)	<0.01
Copper-Cu (ppm as Cu)	<0.01
Iron-Fe (ppm as Fe)	Not Detected
Lead-Pb (ppm as Pb)	Not Detected
Magnesium-Mg (ppm as Mg)	5.50
Manganese-Mn (ppm as Mn)	<0.01
Silica-Si (ppm as SiO <sub>2</sub> )	5.1
Sodium-Na (ppm as Na)	18.6
Zinc-Zn (ppm as Zn)	<0.01