Minneapolis Water Works
Monthly Plant Effluent Water Analysis
October 2025

Minneapolis Public Works

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)	17.3
Total Organic Carbon (ppm as C)	3.63
Total Dissolved Solids (ppm)	143
Turbidity (NTU)	0.04
Alkalinity-Total (ppm as $CaCO_3$)	53
Ammonia Nitrogen (ppm as N)	0.94
Total Chloramine Residual (ppm as NH_2Cl)	3.9
Fluoride-F (ppm as F)	0.66
pH	9.07
Nitrate - NO_3 (ppm as N)	0.62
Nitrite - NO_2 (ppm as N)	<0.015
Phosphate-PO_4 (ppm as PO_4)	0.78
Sulfate - SO_4 (ppm as SO_4)	30.5
Total Hardness (grains per gallon) EDTA method	5.1
Total Hardness (ppm as $CaCO_3$) EDTA method	88

Chemical Water Quality

Chemical element	Plant effluent average volume
Aluminum-Al (ppm as Al)	0.02
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)	36.1
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)	3.74
Manganese-Mn (ppm as Mn)	<0.01
Silica-Si (ppm as SiO_2)	7.0
Sodium-Na (ppm as Na)	19.6
Zinc-Zn (ppm as Zn)	<0.01

Last updated: 11/20/2025