Minneapolis Water Works
Monthly Plant Effluent Water Analysis for:
March 2025

Physical and Chemical Water Quality

	Plant Effluent Average Value
Temperature, River Water Average (°C)	9.1
Total Organic Carbon (ppm* as C)	3.34
Total Dissolved Solids (ppm)	156
Turbidity (NTU)	0.06
Alkalinity-Total (ppm as $CaCO_3$)	55
Ammonia Nitrogen (ppm as N)	0.91
Total Chloramine Residual (ppm as NH2Cl)	4.1
Fluoride-F (ppm as F)	0.71
pH	9.04
Nitrate - NO_3 (ppm as N)	0.82
Nitrite - NO_2 (ppm as N)	<0.015
Phosphate-PO_4 (ppm as PO_4)	0.76
Sulfate - SO_4 (ppm as SO_4)	24.7
Total Hardness (grains per gallon) EDTA method	5.1
Total Hardness (ppm as $CaCO_3$) EDTA method	88

Chemical Water Quality - Inorganic Metals

Chemical Element	Plant Effluent Average Value
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)	26.3
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)	4.29
Manganese-Mn (ppm as Mn)	<0.01
Sillca-Si (ppm as SiO_2)	7.5
Sodium-Na (ppm as Na)	18.4
Zinc-Zn (ppm as Zn)	<0.01

*ppm = parts per million