



CONCORD PUBLIC WORKS
Water/Sewer Division
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2024 SOURCE WATER QUALITY SUMMARY

PARAMETER	EPA GUIDELINE	NAGOG POND*	2ND DIVISION WELL	DEACONESS TREATMENT FACILITY**	JENNIE DUGAN WELL	ROBINSON WELL	HUGH CARGILL WELL	TOWN AVERAGE
pH (average)	No EPA standard	7.6	7.3	7.0	7.1	7.3	7.2	7.3
Fluoride (average)	4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Nitrate (NO3-N)	10	0.1	2.2	0.7	2.2	0.3	1.3	1.1
Nitrite (NO2-N)	1	NT	NT	NT	NT	NT	NT	-
Sodium	No EPA standard	38	41	26	43	30	130	51
Hardness	No EPA standard	21	98	77	80	56	136	78
Alkalinity	No EPA standard	16	69	77	40	66	75	57
Calcium	No EPA standard	6	28	23	23	17	38	23
Magnesium	No EPA standard	1.5	7.8	5.5	5.3	3.5	10.2	5.6
Chloride	250	64	32	59	104	75	268	100
Copper	1	0.068	0.001	0.085	0.011	0.002	0.002	0.028
Iron	0.30	0.17	0.07	ND	0.08	0.12	ND	0.07
Manganese	0.050	0.020	0.051	ND	0.008	0.022	ND	0.017
Potassium	No EPA standard	6.2	25	34	25	37	38	27.5
Silver	0.1	ND	ND	ND	ND	ND	ND	-
Sulfate	250	ND	32	19	17	15	26.0	18.2
Total Dissolved Solids	500	164	170	180	242	230	487	246
Turbidity	1	0.65	0.47	0.22	ND	0.30	ND	0.27
Zinc	5	0.027	0.001	0.023	0.030	0.002	0.037	0.020

Hardness: In 2024 the **average hardness level** of Concord's drinking water was **78 ppm or 4.6 grains per gallon**. This is considered moderately hard water.

*Nagog Pond was in operation from 7/16/24 to 7/21/24

**White Pond and Deaconess Wells are combined and treated at Deaconess Treatment Facility

As of December 2015, fluoride treatment was decreased from 1.0ppm to 0.7ppm in accordance with the United States Department of Health and Human Services' (HHS) recommendation.

TERMS AND ABBREVIATIONS

All units measured in **ppm (parts per million)**, also known as **milligrams per liter (mg/L)**

ND = None Detected

NT = Not Tested

Turbidity: a measurement of the cloudiness of the water.

updated 1/2/2025