



CONCORD PUBLIC WORKS
Water/Sewer Division
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2009 SOURCE WATER QUALITY SUMMARY

PARAMETER	EPA GUIDELINE	NAGOG POND*	2ND DIVISION WELL	DEACONESS TREATMENT FACILITY	DEACONESS WELL	WHITE POND WELL	JENNIE DUGAN WELL	ROBINSON WELL	HUGH CARGILL WELL	CONCORD AVERAGE	
pH (average)	No EPA standard	NT	7.2	7.2	Combined at		7.1	7.0	7.1	7.1	
Fluoride (average)	4**	NT	1.0	1.0	Deaconess Treatment Facility		1.0	1.0	1.0	1.0	
Nitrate (NO3-N)	10	0.1	1.6	See Deaconess Well and White Pond Well for individual well results	0.8	0.1	2.0	0.4	1.3	1.0	
Nitrite (NO2-N)	1	ND	ND		ND	ND	ND	ND	ND	ND	ND
Sodium	No EPA standard	23.2	22.7		29.2	12.7	33	18.5	72	31.4	
Hardness	No EPA standard	17	41.6		62.1	30.1	69.4	79	119.6	67.0	
Alkalinity	No EPA standard	13.0	54		90	39	74	47	68	62.0	
Calcium	No EPA standard	4.8	12.3		17.8	8.6	20.1	22.6	32.8	19.0	
Magnesium	No EPA standard	1.28	2.64		4.3	2.1	4.7	5.5	9.2	4.7	
Chloride	250	41.0	39		59	14	74	41	170	66.2	
Copper	1	ND	ND		0.024	ND	0.133	0.037	ND	0.065	
Iron	0.3	ND	0.11		ND	ND	0.40	ND	ND	0.25	
Manganese	0.05	ND	0.018		ND	ND	0.034	0.022	ND	0.02	
Potassium	No EPA standard	1.3	30.3		49	20	33	13	33	29.7	
Silver	0.1	ND	ND		ND	ND	ND	ND	ND	ND	
Sulfate	250	ND	12		19	11	13	33	17	17.5	
Total Dissolved Solids	500	94	150		260	100	270	200	440	237	
Turbidity	1	ND	0.1		ND	ND	0.2	ND	ND	0.2	
Zinc	5	ND	0.053	0.095	ND	0.069	0.054	0.57	0.17		

Hardness: In 2009 the average hardness level of Concord's drinking water was 67 ppm or 3.9 grains per gallon.

pH: In 2009 the average pH level of Concord's drinking water was 7.1

Sodium: In 2009 the average sodium level of Concord's drinking water was 31.4 ppm

Fluoride: In 2009 the average fluoride level of Concord's drinking water was 1.0 ppm.

* Nagog Pond supplied no water to the distribution system in 2009 (values not included in Town Averages).

**The Department of Public Health's goal for fluoride is 1.0 ppm.

TERMS AND ABBREVIATIONS

All units measured in ppm (parts per million), also known as milligrams per liter.

ND = None Detected

NT = Not Tested

Turbidity: a measurement of the cloudiness of the water.