

Modern Electric Water Company

Year 2006 Annual Drinking Water Quality Report
Mandatory Health-Related Standards Are Established by the Washington State Department of Health

Parameter	Unit of Measure	MCL	MCLG	Highest Detected Level							Likely Source of Contamination		
				Pump Station									
				SO2	SO3	SO4	SO6	SO7	SO8*	SO9	SO11		
Microbiology													
120 Bacteriological Tests were taken during 2006													
Total Coliform Bacteria													
Fecal Coliform and E. Coli													
Inorganic Chemicals													
Sample Results Within Last 5 Years													
Arsenic	ppb	10	NA	4	2	2	3	ND	3	2	2	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Lead	ppb	AL=15	0	3	2	ND	ND	ND	ND	2	ND	Corrosion of household plumbing systems, erosion of natural deposits	
Nitrate	ppm	10	10	0.89	0.83	0.89	1.03	0.82	NA	0.90	0.81	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	
All other EPA regulated Inorganic Chemicals Non-Detect													
Synthetic Organic Compounds													
Sample Results Within Last 5 Years													
No Constituents Detected													
Volatile Organic Compounds													
Sample Results Within Last 5 Years													
No Constituents Detected													
TTHMs [Total Trihalomethanes]													
HAA5 [Haloacetic Acids]													
80 NA													
48 NA													
No Constituents Detected													
No Constituents Detected													
Lead and Copper Regulated at the Customer's Tap													
30 Tests Were Taken During 2004													
90th Percentile													
Copper	ppm	AL=1.3	1.3	0.2							Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives		
Lead	ppb	AL=15	0	0.002							Corrosion of household plumbing systems, erosion of natural deposits		
Radioactive Compounds													
Gross Alpha and Gross Beta Were Analyzed 2004													
Gross Alpha	pCi/L	15	0	ND	ND	ND	ND	ND	2	ND	ND	Erosion of natural deposits	
Gross Beta	pCi/L	50	0	ND	ND	ND	ND	ND	2	ND	ND	Erosion of natural deposits	
Combined Radium	pCi/L	5	0	No Constituents Detected									

The table to the left lists all the drinking water contaminants that were detected during the 2006 year or within the last 5 years. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The state requires monitoring for certain contaminants less than once a year because the concentrations of these contaminants are expected to vary significantly from year to year. Some data, though representative of the water quality, is more than one year old.

As you can see by the table to the left, our system had no violations above the allowed Maximum Contaminant Levels for your drinking water.

We're proud that your drinking water meets or exceeds all Federal and State requirements and although we have learned through our monitoring and testing that some constituents have been detected, the EPA has determined that your water IS SAFE at these levels.

Abbreviations

ND= Not Detected At Testing Limit
NA= Not Applicable
ppm = parts per million or milligrams per liter
ppb = parts per billion or micrograms per liter
pCi/Liter = PicoCuries per Liter

Notes

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health.

Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Action Level or AL: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

* Source SO8 was out of service during 2006. Results for this source reflect testing from previous years.

MCL's are set at very stringent levels. To understand the possible health effects described from the many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

**Protect your
Spokane Aquifer.**

**Please don't pour
unwanted
chemicals on the
ground.**

The Test Results shown above are for the Calendar Year 2006. Your employees of Modern Electric Water Company work hard every day to ensure an abundant and clean supply of water for your family. We ask all our customers to help us protect our water sources, which are the heart of our community, our way of life, and our children's future.

**YOUR TAP
WATER**

**IT'S SAFE TO
DRINK!**

From Your Water Utility
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Regular Scheduled Board Meetings are held every third Tuesday of the month at 5:30 p.m.