

Modern Electric Water Company

Year 2009 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 Pump Station								Likely Source of Contamination
				SO2	SO3	SO4	SO6	SO7	SO8	SO9	SO11	
Microbiology												
240 Bacteriological Tests were taken during 2009												
Total Coliform Bacteria											No Constituents Detected	
Fecal Coliform and E. Coli											No Constituents Detected	
Inorganic Chemicals												
Sample Results Within Last 5 Years												
Arsenic	ppb	10	NA	4	ND	2	3	1	3	ND	3	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Lead	ppb	AL=15	0	ND	2	3	ND	ND	ND	3	ND	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate	ppm	10	10	0.76	1.03	1.00	1.08	0.73	0.80	1.69	0.73	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]											No Constituents Detected	
HAA5 [Haloacetic Acids]											No Constituents Detected	
Lead and Copper Regulated at the Customer's Tap												
30 Tests Were Taken During 2007											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 2009												
Gross Alpha	pCi/L	15	0	ND	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits
Gross Beta	pCi/L	50	0	ND	ND	ND	ND	ND	ND	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 2009 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.

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.

The Test Results shown above are for the Calendar Year 2009. 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.

Please dispose of waste oil, antifreeze, vehicle batteries, pesticides, paints, gasoline, cleaners and other household hazardous wastes at the following disposal sites:
Valley Transfer Station - 3941 North Sullivan Road
North County Transfer Station - 22123 Elk-Chattaroy Road
Waste-to Energy Facility - 2900 South Geiger Blvd.

Disposal is free for residential customers. Materials must be in leak-proof containers with the contents labeled on the outside. No containers greater than 5 gallons will be accepted. There is a 15 gallon limit.
For more information call the Recycling Hotline at (509) 625-6800.

Protect your
Spokane Aquifer.

Please don't
pour unwanted
chemicals on the
ground.

YOUR TAP
WATER

IT'S SAFE TO
DRINK!

From Your Water Utility
Modern Electric Water Company
904 N Pines Road
Spokane Valley, WA 99206
ph: 928-4540

Contact Person: Bryan St Clair
Water Superintendent

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