

Drinking Water Quality Report
PWSID #00136
City of Belgrade
91 East Central Avenue
Belgrade, MT 59714

Potable water is one of the most vital services provided to community residents. All of us depend on water for drinking, cooking, washing, carrying away wastes, and other domestic needs. For the most part, we don't think about how drinking water gets to our homes or where that water comes from. We just want to be sure that our water is safe and keeps flowing to our taps.

The goal of the City of Belgrade is to provide you with a safe and dependable supply of drinking water. Because of our commitment to ensuring the quality of your drinking water, we want to keep you informed about the activities and testing we do to assure that your water is safe. We are pleased to present to you this year's Water Quality Report.

WATER SOURCE

Our water is taken from six wells located throughout the city. If you have any questions about this report or concerning your water utility, please contact Ed Adams at (406) 388-3760. We want our valued customers to be informed about their water utility.

MONITORING

The City of Belgrade routinely monitors for constituents in your drinking water according to Federal and State regulations. The State of Montana requires monitoring for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some data in the tables, though representative, may be more than one year old. Our sampling frequency complies with EPA and State regulations. The table includes the contaminants detected by our monitoring for the period of January 1st to December 31st, 2005.

In the following tables, you may find many terms and abbreviations with which you might not be familiar. To help you better understand these terms, we have provided the following definitions:

ppm = *Parts per million* - one part per million corresponds to one minute in two years or a single penny in \$10,000.
ppb = *Parts per billion* - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
AL = *Action Level* - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow
MCL = *Maximum Contaminant Level* - The highest allowable amount of a contaminant that is allowed in drinking water
MCLG = *Maximum Contaminant Level Goal* - The level of a contaminant in drinking water below which there is no known or expected risk to health
MFL = *Million Fibers per Liter* - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.
Picocuries per liter (pCi/L) = picocuries per liter is a measure of the radioactivity in water.
Waivers = reduction or exclusion of monitoring requirements for certain compounds. Waivers are granted by the State of Montana, based on a water system's previous monitoring history.
90th Percentile Value = The concentration of lead or copper in tap water exceeded by 10 percent of the sites sampled during a monitoring period.
< = Less than

Bacteriological Contaminants: We monitor our water for total coliform bacteria on a monthly basis. Total coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. We routinely test water from each well each month, and our testing showed no total coliform present in our water system in 2005.

Lead and Copper

Contaminant	Violation Y/N	Sample Date	90 th Percentile	MCLG	Action Limit	Likely Source of Contamination
Lead	No	9/19/2002	7 ppb	0 ppb	15 ppb	Corrosion of household plumbing; erosion of natural deposits
Copper	No	9/19/2002	0.25 ppm	1.3 ppm	1.3 ppm	Corrosion of household plumbing; erosion of natural deposits; leaching of wood preservatives

Test Results

Contaminant	Violation Y/N	Sample Date	Level Detected	MCLG	MCL	Likely Source of Contamination
Nitrate (as Nitrogen) – Well #1 Well #2 Well #3 Well #4 Well #5 Well #6	No No No No No No	10/25/2005 10/27/2005 10/11/2005 10/11/2005 10/11/2005 10/11/2005	1.39 ppm 0.85 ppm 0.82 ppm 1.10 ppm 1.15 ppm 0.67 ppm		10 ppm	10 ppm Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Barium Well #1 Well #2 Well #3 Well #4 Well #5 Well #6	No No No No No No	3/20/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 11/11/2002	0.10 ppm 0.10 ppm 0.10 ppm 0.10 ppm 0.10 ppm <0.10 ppm	2 ppm	2 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride Well #5 Well #6	No No	1/7/2003 11/11/2002	0.13 ppm <0.10 ppm	4 ppm	4 ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

