

Mountain Water Company

2004/2005 Annual Water Quality Results

Water Quality Parameters Detected in Mountain Water Company Sources

| PRIMARY STANDARDS -- Health-related | Federal MCL | MCLG | Units of Measurement | MWC Range (including highest value) | Average for MWC Wells (a) | (b) MWC Date of Last Measurement | Potential Sources of Contamination |
|---|------------------------------|-------------|---|--|--|---|---|
|---|------------------------------|-------------|---|--|--|---|---|

INORGANIC CHEMICALS

| | | | | | | | |
|----------|----|----|-----|-------------|------|------------|--|
| Arsenic | 50 | NS | ppb | ND - 2 | 1 | 2002/03/04 | Erosion of natural deposits; historical mining and smelting. |
| Barium | 2 | 2 | ppm | 0.2 - 0.5 | 0.25 | 2002/03/04 | Erosion of natural deposits; discharge from metal refineries; discharge from oil drilling wastes. |
| Cadmium | 5 | 5 | ppb | ND - 1 | ND | 2002/03/04 | Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories, and from metal refineries; runoff from waste batteries and paints. |
| Fluoride | 4 | 4 | ppm | 0.1 - 0.19 | 0.16 | 2002/03/04 | Erosion of natural deposits; discharge from fertilizer factories. |
| Nitrate | 10 | 10 | ppm | 0.32 - 3.21 | 0.81 | 2004 | Erosion of natural deposits; runoff and leaching from fertilizer use; leaching from septic tanks and sewers. |

RADIONUCLIDES

| | | | | | | | |
|-------------|----|----|-------|----------|------|------|------------------------------|
| Gross Alpha | 15 | NS | pCi/L | ND - 2.0 | 0.39 | 2002 | Erosion of natural deposits. |
| Radium 226 | 5 | NS | pCi/L | ND - 0.6 | ND | 2002 | Erosion of natural deposits. |
| Radium 228 | 5 | NS | pCi/L | ND - 3.6 | ND | 2002 | Erosion of natural deposits. |

DISTRIBUTION SYSTEM

PRIMARY STANDARDS

| | | | | | | | |
|--------------------------------|----------|-----------|--------|------------|------|------|---|
| Asbestos | 7 MFL | 7 MFL | fibers | ND - 0.96 | NA | 2002 | Internal corrosion of asbestos-cement water mains; erosion of natural deposits. |
| Chlorine Residual | MRDL = 4 | MRDLG = 4 | ppm | 0.2 - 0.85 | 0.37 | 2004 | Added for disinfection purposes. |
| Total Trihalomethanes (TTHM's) | 80 | NS | ppb | 3.1 - 8.3 | 5 | 2004 | By-product of drinking water disinfection. |
| Haloacetic Acids (HAA-5) | 60 | NS | ppb | 0.43 - 2.2 | 0.69 | 2004 | By-product of drinking water disinfection. |

| LEAD AND COPPER RULE MONITORING | Federal Action | Number of Samples | Units of Measurement | MWC Range (including highest value) | Amount Detected at 90th Percentile* | (b) MWC Date of Last Measurement | Potential Sources of Contamination |
|--|---------------------------------|--|---|--|--|---|--|
| Copper | 1.3 | 30 | ppm | 0.07 - 0.68 | 0.6 | 2004 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives. |
| Lead | 15 | 30 | ppb | ND - 12 | 8 | 2004 | Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits. |

| SECONDARY STANDARDS -- Aesthetic, non-health standards | Federal MCL | MCLG | Units of Measurement | MWC Range (including highest value) | Average for MWC Wells (a) | (b) MWC Date of Last Measurement | Potential Sources of Contamination |
|--|------------------------------|-------------|---|--|--|---|---|
| Aluminum | 1 | NS | ppm | ND - 0.2 | ND | 2002/03/04 | Erosion of natural deposits. |
| Chloride | 250 | NS | ppm | 3 - 28 | 7 | 2002/03/04 | Runoff/leaching from natural deposits. |
| Sulfate | 250 | NS | ppm | 9 - 21 | 17 | 2002/03/04 | Runoff/leaching from natural deposits; industrial wastes. |
| Total Dissolved Solids (TDS) | 500 | NS | ppm | 150 - 261 | 198 | 2002/03/04 | Runoff/leaching from natural deposits. |
| Zinc | 5,000 | NS | ppb | ND - 30 | ND | 2002/03/04 | Runoff/leaching from natural deposits; industrial wastes. |

PHYSICAL PARAMETERS

| | | | | | | | |
|---------------------|-----------|----|-------|-------------|------|------------|---|
| pH | 6.5 - 8.5 | NS | units | 7.2 - 8.0 | 7.6 | 2002/03/04 | Hydrogen ion concentration. Value greater than 7 is basic (non-acidic). |
| Turbidity / clarity | 5.0 | NS | NTU | 0.06 - 0.68 | 0.19 | 2002/03/04 | Soil runoff. |

Mountain Water Company

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Detected Unregulated Chemicals That May Be of Interest to Consumers**

| ADDITIONAL PARAMETERS Unregulated | Federal MCL | MCLG | Units of Measurement | MWC Range (including highest value) | Average for MWC Wells (a) | (b) MWC Date of Last Measurement |
|-------------------------------------|-------------|------|----------------------|-------------------------------------|---------------------------|----------------------------------|
| Aggressiveness Index (c) | NS | NS | units | 11.4 - 12.4 | 11.9 | 2002/03/04 |
| Alkalinity (as Ca CO ₃) | NS | NS | ppm | 137 - 214 | 165 | 2002/03/04 |
| Calcium | NS | NS | ppm | 38 - 55 | 45 | 2002/03/04 |
| Corrosivity (Langlier Index) (d) | NS | NS | positive/negative | (- 0.4) - (+ 0.50) | + 0.08 | 2002/03/04 |
| Hardness (Ca CO ₃) | NS | NS | ppm | 136 - 210 | 165 | 2002/03/04 |
| Hardness | NS | NS | grains | 8 - 12.3 | 9.6 | 2002/03/04 |
| Magnesium | NS | NS | ppm | 10 - 19 | 13 | 2002/03/04 |
| Potassium | NS | NS | ppm | 1 - 2 | 1.8 | 2002/03/04 |
| Sodium | NS | NS | ppm | 5 - 16 | 6.6 | 2002/03/04 |
| Specific Conductance | NS | NS | micromho/cm | 295 - 466 | 364 | 2002/03/04 |

KEY TO ABBREVIATIONS AND FOOTNOTES

AL = Action Level
MCL = Maximum Contaminant Level
MFL = Million Fibers per Liter
NA = Not applicable at this time or not required to analyze
ND = Not detected
NS = No standard
NTU = Nephelometric Turbidity Units. This is a measure of the suspended material in water.

* = Action levels are measured at the 90th percentile sample (third highest reading out of thirty samples for lead and copper).

** = Unregulated contaminant monitoring helps USEPA determine where certain contaminants occur and whether the contaminants need to be regulated.

ppm = parts per million
ppb = parts per billion
pCi/L = picoCuries per liter

- (a) = The average is weighted according to the individual contribution in pumping by each well to the total (active wells only).
(b) = The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants in groundwater sources do not change frequently. Some of our data, though representative, are more than one year old.
(c) = An Aggressiveness Index of 11 or greater indicates that the water is not aggressive (noncorrosive).
(d) = A positive number Langlier Index indicates that the water is noncorrosive.

DEFINITIONS

Maximum Contaminant Level (MCL):

The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG):

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Action Level (AL):

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

Maximum Residual Disinfectant Level (MRDL):

The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a disinfectant added for water treatment below which there is no known or expected risk to health.



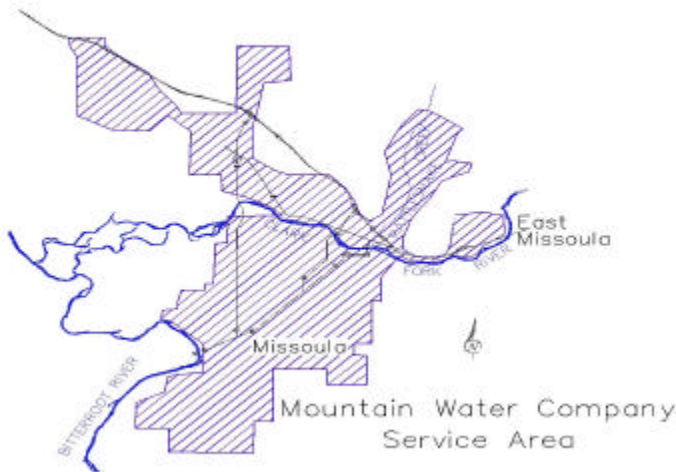
Providing quality water and dependable service to the Missoula community at a reasonable price.

Mountain Water Company

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WHERE DOES YOUR WATER COME FROM?



Mountain Water Company serves the greater Missoula area. The Missoula aquifer is currently the only active source of public drinking water for Missoula Valley residents. MWC utilizes 35 active wells to pump water from this aquifer. The only treatment performed by MWC is low-level disinfection with chlorine.

Rattlesnake Creek lies just north of Missoula and, under the guidance of the DEQ, serves as an alternative source available for use in special situations. Rattlesnake Creek is a surface water supply originating in the Rattlesnake Wilderness area and emptying in the Clark Fork River. Strict environmental conditions are maintained in the watershed to preserve the quality of this source.

Source Water Delineation and Assessment

As required by the EPA in 2003, a Source Water Delineation and Assessment report was completed for MWC and submitted to the DEQ and the EPA. We utilized this report as an opportunity to update our Wellhead Protection Program with the latest information and technologies in modeling and mapping with linked databases. This assessment resulted in an updated list of possible contaminant sources to our aquifer, some of those being underground storage tanks, public and private sumps, leaking pipelines, spills along railroad tracks and highways, sewer lift stations and septic systems. This has resulted in a very useful tool for protection of our valuable drinking water supply. This report is available to the public at the DEQ, the Missoula City/County Health Department and at our office.

Water Security and You

Water utilities may be targets for terrorists and other would-be criminals wishing to disrupt and cause harm to community water supplies. Residents can help by reporting any suspicious activity in and around local water utilities. Examples of suspicious activity might include:

- People dumping or discharging material in a water reservoir;
- People climbing or cutting a utility fence;
- An unidentified vehicle parked near facilities for no apparent reason;
- A suspicious opening or tampering with manhole covers, buildings or equipment;
- People climbing up or on top of water tanks;
- People photographing or videotaping utility facilities, structures or equipment, or
- Strangers hanging around locks or gates.

Please do not confront strangers. Instead, report suspicious activities to local authorities. For more information on water security, visit: www.epa.gov/safewater/security.