

# *2001 - Water Quality Report*

Big Sky County Water & Sewer District No. 363  
Meadow Village, Gallatin County, Big Sky, Montana  
PWSID# MT002384

The District is pleased to provide you with the 2001 CCR Annual Water Quality Report. We want to keep you informed about the quality of water we have delivered to you over the past year. Our goal is, and always has been, to provide to you a safe and dependable supply of drinking water.

Our drinking water source is from 4 groundwater wells located in sections 35, and 36 of Township 6S Range 3E, Gallatin County. Three of these wells are in section 36, near the golf course in the Meadow Village. There is also one well located near the Lone Mountain Guest Ranch in section 35.

The District routinely monitors for constituents in your drinking water according to Federal and State laws. We're pleased to report that our drinking water is safe and meets all federal and state requirements. The following table shows any detects (more than 0.0 ppm) in our monitoring for the period of **January 1<sup>st</sup> to December 31<sup>st</sup>, 2000** that have been found. **Our system had no violations.** We're proud that our drinking water meets or exceeds all Federal and State requirements. 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. For constituents that are not monitored yearly, we have reviewed our records back to the last time the constituent was monitored. After completing the state required monitoring, a waiver has been issued for some of the inorganic and organic chemicals. This waiver will be in effect through the year 2001.

In the tables below you may find terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

*Parts per million (ppm) or Milligrams per liter (mg/l)*- one part per million corresponds to one minute in two years.

*Action Level*- the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements in which a water system must follow.

*Treatment Technique (TT)*- A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

*Maximum Contaminant Level*- The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

*Maximum Contaminant Level Goal*- The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791. EPA also has a web site where you can

search through a database of drinking water information across the country. The web site address is: [http://www.epa.gov/enviro/html/sdwis/sdwis\\_query.html](http://www.epa.gov/enviro/html/sdwis/sdwis_query.html)

TEST RESULTS - PWSID #002384								
Contaminant	Violation Yes/No	Sample Date	Highest Level Detected		Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
Nitrate (as Nitrogen)	No	9/11/00	1.90 - 3.86		Ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
lead	No	9/30/00	90th % is <0.005 ppm		Ppm	0	AI-15	corrosion in household plumbing systems, erosion of natural deposits
copper	No	9/30/00	90th % is 0.15 ppm		Ppm	1.3	AI-1.3	corrosion in household plumbing systems, erosion of natural deposits, leaching from wood preservatives
fluoride	No	11/19/98	0.13		Ppm	4	4	Erosion of natural deposits
Barium	No	11/19/98	0.2		Ppm		2	Erosion of natural deposits

MCL's are set at very stringent levels. To understand the possible health effects described for 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.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If you have any questions about this report, or concerning your water, please contact **Jim Muscat**. Jim is the District's Drinking Water Supervisor and Certified Operator and can be reached at 406-995-2660. We want our customers to be informed about their water utility. If you would like to learn more, the Big Sky County Water & Sewer District No. 363 monthly meetings are held on the 3<sup>rd</sup> Tuesday of each month. We ask that all our customers help us protect and conserve our water sources, which are the heart of our community, our way of life and our children's future.

# ***2001 - Water Quality Report***

## **Big Sky County Water & Sewer District No. 363**

### **Mountain Village, Madison County, Big Sky, Montana**

The District is pleased to provide you with the 2001 CCR Annual Water Quality Report. We want to keep you informed about the quality of water we have delivered to you over the past year. Our goal is, and always has been, to provide to you a safe and dependable supply of drinking water.

Our drinking water source is from 6 groundwater wells located in sections 19 and 30, Township 6S Range 3E of Madison County. This is the general area surrounding Lake Levinski and Upper Cascade subdivision at the Mountain Village of Big Sky.

The District routinely monitors for constituents in your drinking water according to Federal and State laws. We're pleased to report that our drinking water is safe and meets all federal and state requirements. The following table shows any detects (more than 0.0 ppm) in our monitoring for the period of **January 1<sup>st</sup> to December 31<sup>st</sup>, 2000** that have been found. **Our system had no violations.** We're proud that our drinking water meets or exceeds all Federal and State requirements. 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. For constituents that are not monitored yearly, we have reviewed our records back to the last time the constituent was monitored. After completing the state required monitoring, a waiver has been issued for some of the inorganic and organic chemicals. This waiver will be in effect through the year 2001.

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TEST RESULTS - PWSID #002385								
Contaminant	Violation Yes/No	Sample Date	Highest Level Detected		Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
Nitrate (as Nitrogen)	No	9/11/00	ND - 0.18		Ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
lead	No	9/7/00	90th % is <0.005 ppm		Ppm	0	AI-15	corrosion in household plumbing systems, erosion of natural deposits
copper	No	9/7/00	90th % is 0.4 ppm		Ppm	1.3	AI-1.3	corrosion in household plumbing systems, erosion of natural deposits, leaching from wood preservatives
fluoride	No	11/19/98	0.93		Ppm	4	4	Erosion of natural deposits
sulfate	No	11/19/98	10-18 ppm		Ppm	deferred	not regulated	Erosion of natural deposits
<b>Microbiological Contaminants</b>								
Total Coliform	No	Jan 00			positive sample	0	precense of coliform bacteria in 5% of monthly samples	naturally present in the enviroment

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Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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# *2001 - Water Quality Report*

Big Sky County Water & Sewer District No. 363  
Aspen Groves, Gallatin County, Big Sky, Montana  
PWSID# MT004064

The District is pleased to provide you with the 2001 CCR Annual Water Quality Report. We want to keep you informed about the quality of water we have delivered to you over the past year. Our goal is, and always has been, to provide to you a safe and dependable supply of drinking water.

Our drinking water source is from 2 groundwater wells located in the SE  $\frac{1}{4}$  of section 34, of Township 6S Range 3E, Gallatin County. These wells are near the end of Fernan Way in Aspen Groves subdivision.

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TEST RESULTS - PWSID #004064								
Contaminant	Violation Yes/No	Sample Date	Highest Level Detected		Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
fluoride	No	09/17/98	1.11		Ppm	4	4	Erosion of natural deposits
sulfate	No	09/17/98	16		Ppm	deferred	500	Erosion of natural deposits
arsenic	No	09/17/98	0.008		Ppm	0	0.05	Erosion of natural deposits

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