

2018 Annual Drinking Water Quality Report

Monitoring Requirements

The Town of Black Mountain routinely monitors for contaminants in your drinking water according to Federal and State laws. Charlie Gross, Black Mountain Water Quality Operator, is pleased to report that our drinking water is safe and meets all federal and state requirements. This table shows the results of our monitoring for the period of January 1, 2017 to December 31, 2017, and the latest test results for contaminants that do not require annual testing. As water travels underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It is important to remember that the presence of these contaminants does not necessarily pose a health risk. The Environmental Protection Agency (EPA) prescribes regulations that limit the amount of certain contaminants in order to ensure that your tap water is safe to drink. The Food & Drug Administration establishes the limits for contaminants in bottled water, which provide the same level of protection.

Citizen Input Welcome

We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Town Council meetings, held on the second Monday of each month at 6:00 p.m. at Town Hall located at 160 Midland Avenue, Black Mountain, NC 28711. If you have any questions about this report or your water utility, please contact the Black Mountain Public Services Department at (828) 419-9300.

Safe, Quality Water

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. 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.

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.

Special Situations

EPA requires us to inform you that some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 (1-800-426-4791).



Improving Our Services

The Town of Black Mountain continually strives to maintain a safe and dependable water supply for our customers. The Town works hard to provide your family with clean, quality water. Ongoing improvements are necessary that will benefit all of our customers. The improvements are sometimes reflected as rate structure adjustments. Thank you for your understanding.

2017 Test Results

CONSTITUENT & UNIT	VIOLATION Y/N	MCLG	MCL	RESULTS	POTENTIAL SOURCE(S) OF CONSTITUENT
Regulated at the Four Entry Points					
Fluoride	No	4	4	0.44	Erosion of natural deposits
SOC's (Synthetic Organic Chemicals) ppm	No	0	N/A	Not Detected	-
Regulated in the Distribution System					
Bacteriological	No	0	Bacteriological	Absent	-
TTHM/HAA5-IDSE Stage 2	No	0	0.080 0.060	0.020 0.028	Chlorination by-product.
Regulated at customers tap					
Copper	No	1.3	AL=1.3	No test of 20 over AL	Corrosion of household plumbing systems; erosion of natural deposits.
Lead	No	0	AL=1.5	No test of 20 over AL	Corrosion of household plumbing systems; erosion of natural deposits.

If You Have Questions

Please call our office if you have questions about this annual report. The Public Services staff at the Town of Black Mountain works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life, and our children's future.

Source Water Assessment Program (SWAP) Results

The North Carolina Department of Environment and Natural Resources (DENR), Public Water Supply (PWS) Section, and Source Water Assessment Program (SWAP) conducted assessments for all drinking water sources across North Carolina. The purpose of the assessments was to determine the susceptibility of each drinking water source (well or surface water intake) to Potential Contaminant Sources (PCSs). The results of the assessment are available in SWAP Assessment Reports that include maps, background information and a relative susceptibility rating of Higher, Moderate or Lower.

The relative susceptibility rating of each source for the Town of Black Mountain was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area). The assessment findings are summarized in the table below:

Susceptibility of Sources to Potential Contaminant Sources (PCSs)

Source Name	Susceptibility Rating	SWAP Report Date
Well # 1	Lower	September 2017
Well #3, 11	Lower, Lower	September 2017
Well #4	Lower	September 2017
Well #5	Lower	September 2017
Well #10	Lower	September 2017
Well #13,16,18	Lower, Lower, Lower	September 2017
Well #17	Lower	September 2017
Well #19, 20	Lower, Lower	September 2017

The complete SWAP Assessment report for the Town of Black Mountain may be viewed on the Web at: www.ncwater.org/pws/swap. Note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this web site may differ from the results that were available at the time this CCR was prepared. If you are unable to access your SWAP report on the web, you may mail a written request for a printed copy to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh, NC 27699-1634, or email requests to swap@ncdenr.gov. Please indicate your system name, number, and provide your name, mailing address and phone number. If you have any questions about the SWAP report please

Water Quality Requirements

In the following table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms, we have 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 or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

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

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 - (mandatory language) 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.

July 1, 2018

Annual Drinking Water Quality Report

The Town of Black Mountain is pleased to provide to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water service we deliver to you every day. Our goal is and always has been, to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and to protect our water resources. We are committed to ensuring the quality of your water. Our water source comes from three main entry points throughout the Town.



Town of Black Mountain,
North Carolina

(PWS ID# 01-11-020)