



*Beaver Run Mobile Home Park
Annual Drinking Water Quality Report for 2024
PWSID #0090222*

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the water quality and services we deliver to you every day. Our constant goal is 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 protect our water resources. We are committed to ensuring the quality of your water. Our water source is six (6) potable groundwater wells: Well 1 (identifier DO730665), Well 2 (identifier DO810094), Well 3 (identifier DO810587), Well 4 (identifier DO810588), Well 5 (identifier DO882002), and a new Well 6 (identifier DO200085), which was just installed in October 2024 to replace Well 1. We have a source water protection plan available from our office that provides more information such as potential sources of contamination. I'm pleased to report that our drinking water is safe and meets all federal and state requirements.

The following report shows our water quality and what it means:

Some people may be more vulnerable to contaminants in drinking water than the general population. Contaminants may be found in drinking water that may cause taste, color, or odor differences. These types of problems are not necessarily cause for health concerns. 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 utility, please contact **Jack Bradshaw, Vice President of Operations for Prostart at 443-903-4758**. We want our valued customers to be informed about their water utility.

Beaver Run Mobile Home Park management contracted Prostart to be its water treatment plant operations firm, effective October 1, 2024. Prostart routinely monitors for contaminants in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of **January 1 to December 31, 2024**. The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the land or through the ground, it dissolves naturally occurring minerals and can pick up substances resulting from the presence of animal or human activity. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. These substances can be microbes, inorganic or organic chemicals, pesticides and herbicides, and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk.

To ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amounts of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. More information about contaminants and potential health effects can be obtained at the Dorchester County Library or by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

In this table, you will find many 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 or a single penny in \$10,000.

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

Parts per trillion (ppt) or Nanograms per liter (ng/l) – one part per trillion is equivalent to one single drop of food coloring in 18 million gallons of water, or a single penny in \$10,000,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

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

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

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.

MCL’s are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink two 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.

REGULATED CONTAMINANT TEST RESULTS						
Contaminant	Highest Value	Range	Unit Measurement	MCL	MCLG	Likely Source of Contamination
Radiological Contaminants						
Combined Radium (-226 & -228) (3/10/2024)	0.5	0.4-0.5	pCi/1	5	0	Erosion of natural deposits
Gross Alpha, excl. Radon & U (3/10/2024)	8.8	5.1-8.8	pCi/1	15	0	Erosion of natural deposits
Gross Beta Particle Activity (3/10/2024)	12	10.7-12	pCi/1	50	0	Decay of natural and man-made deposits
Radium-226 (3/10/2024)	0.5	0.4-0.5	pCi/1	56	0	Erosion of natural deposits
Inorganic Contaminants						
Arsenic (4/8/2024)	10.6	0-10.6	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (1/3/2021)	0.002	0-0.002	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Dibromochloromethane (2/22/2022)	0.01242	0.0045-0.01242	mg/l	0.1	0.06	By-product of drinking water disinfection
Fluoride (1/1/2024)	1.4	1.4	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (1/2/2024)	ND (<0.5)	ND (<0.5)	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Lead and Copper						
Contaminant	Range of Sampled Results (low – high)	90 th Percentile: 90% of your water utility levels were less than:	Unit	AL	Sites over AL	Typical Sources
Copper, free (Period: 2021-2024)	<0.005	0.06	ppm	1.3	0	Erosion of Natural Deposits; leaching from wood preservatives; corrosion of household plumbing systems.
Lead (Period: 2021-2024)	<0.005	1.6	ppb	15	0	Corrosion of household plumbing systems, erosion of natural deposits.

Note: Test results are for 2024 unless otherwise noted; all contaminants do not require annual testing. These are the most recent available results.

Guidance on Arsenic:

Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Total Coliform Bacteria and Chlorine Guidance:

In addition to the contaminants listed above and in accordance with the revised Total Coliform Rule, the water at Beaver Run Mobile Home Park is sampled monthly for microbiological contaminants. Unfortunately, in the months of June and September 2024, samples collected returned positive results for coliform. After each case, the system was flushed and retested, and results were negative. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

With the microbiological samples collected, the water system also collected disinfectant residuals to ensure control of microbial growth. Some people who use water containing chlorine far exceeding the MRDL could experience irritation effects to their eyes and nose or experience stomach discomfort.

Disinfectant (Date)	Highest RAA	Unit	Range	MRDL	MRDLG	Typical Source
Chlorine (2024)	0.7	ppm	0.19-1.3	4	4	Water additive used to control microbes.

Informational Statement from the EPA about Lead:

The water at Beaver Run Mobile Home Park is sampled every three years for lead and copper. Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Beaver Run Mobile Home Park is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Prostart Vice President of Operations, Jack Bradshaw at 443-903-4758. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

An initial inventory of service line pipe materials located within our service area was required to be submitted to the Maryland Department of the Environment (MDE) by October 16, 2024. Beaver Run is currently in the process of finalizing this inventory. Once complete it will be available for review.

Source water assessment has been performed by the Maryland Department of the Environment and is accessible on their website at: https://mde.maryland.gov/programs/Water/water_supply/Source_Water_Assessment_Program/Pages/by_county.aspx

What is PFAS?

PFAS, or per- and polyfluoroalkyl substances, refers to a large group of more than 4,000 human-made chemicals that have been used since the 1940s in a range of products, including stain- and water-resistant fabrics and carpeting, cleaning

products, paints, cookware, food packaging and fire-fighting foams. These uses of PFAS have led to PFAS entering our environment, where they have been measured by several states in soil, surface water, groundwater, and seafood. Some PFAS can last a long time in the environment and in the human body and can accumulate in the food chain.

The Maryland Department of the Environment (MDE) conducted a PFAS monitoring program for Community Water Systems from 2020 to 2022. The results are available on MDE's website:

<https://mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx>.

The Environmental Protection Agency (EPA) finalized regulations for 6 PFAS compounds in drinking water in April 2024. The MCLs for PFOA and PFOS are each 4.0 parts per trillion (ppt). The MCLs for PFNA, PFHxS, and HFPO-DA (GenX chemicals) are each 10 ppt. Additionally, a mixture of two or more of the following chemicals (PFNA, PFHxS, HFPO-DA, and PFBS) will be regulated with a Hazard Index of 1 (unitless) to determine if the combined levels of these PFAS pose a risk and require action.

Violations

Unfortunately, during the period covered by this report, the Beaver Run Mobile Home Park had the following noted violations:

Violation Period	Analyte	Violation Type	Violation Explanation
9/30/2024	Consumer Confidence Rule	CCR Adequacy/availability/content	Inadequate Consumer Confidence Report (CCR) or failure to deliver a CCR Certification form to the state on time.
10/30/2024 – 2/15/2025	Lead and Copper Rule Revisions	LSL Reporting – initial	We failed to complete and/or submit our initial service line inventory that was due to MDE by October 16, 2024.

The Beaver Run Mobile Home Park operated continuously in 2024. We are dedicated to providing reliable service to our residents. Thank you for allowing us to continue providing your family with clean, quality water this year. To maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all our customers. Prostart oversaw maintenance projects and repairs at the Beaver Run Mobile Home Park water treatment plant in 2024, including final preparations to put the new Well 6 into service and obtain its certificate of potability, replacing a chlorine line injector in October, and replacing a chlorine tank in December. Thank you in advance for your attention to this water quality Consumer Confidence Report (CCR) for 2024.