



2023 Annual
**WATER QUALITY
REPORT**

SYSTEM NAME

PWS ID: MD0020012

**QUALITY. ONE MORE WAY
WE KEEP LIFE FLOWING.**



AMERICAN WATER

Military Services

WE KEEP LIFE FLOWING™

What is a Consumer Confidence Report (CCR)



Each year, Fort Meade Water Treatment Plant, operated by American Water Military Services, produces a Water Quality Report. For more information about this report, please contact American Water Military Services at 410-305-4259.

Once again, we proudly present our Annual Water Quality Report, also referred to as a Consumer Confidence Report (CCR). CCRs let consumers know what contaminants, if any, were detected in their drinking water as well as related potential health effects. CCRs also include details about where your water comes from and how it is treated. Additionally, they educate customers on what it takes to deliver safe drinking water and highlight the need to protect drinking water sources.

ATTENTION: Landlords and Apartment Owners

Please share a copy of this notice with your tenants. It includes important information about their drinking water quality.

TABLE OF CONTENTS

What is a Consumer Confidence Report	2
About Us	3
A message from our President	4
About Your Drinking Water Supply	5
What are the Sources of Contaminants?	6
Protecting Your Drinking Water Supply	7
About Lead	8
Important Information About Your Water	9-10
• Chlorine	
• Fluoride	
• Nitrates	
• UCMR	
• PFAS	
Water Quality Results	11
Definitions of Terms Used in Document	12
Water Quality Results: Detailed Charts	13-18
Tested for, But Not Detected	19
Steps to Save Water	20
Contact Us	21



Military Site Service Locations

Alabama

Fort Novosel, AL

California

Vandenberg Space Force Base, CA

Florida

Mayport

Illinois

Scott Air Force Base

Kansas

Fort Leavenworth

Louisiana

Fort Johnson

Maryland

Fort Meade

Missouri

Fort Leonard Wood

New Jersey

Picatinny Arsenal

New York

U.S. Army Garrison West Point

Ohio

Wright-Patterson Air Force Base

Oklahoma

Fort Sill

Texas

Fort Cavazos
Joint Base San Antonio

Utah

Hill Air Force Base

Virginia

Fort Walker
Fort Belvoir

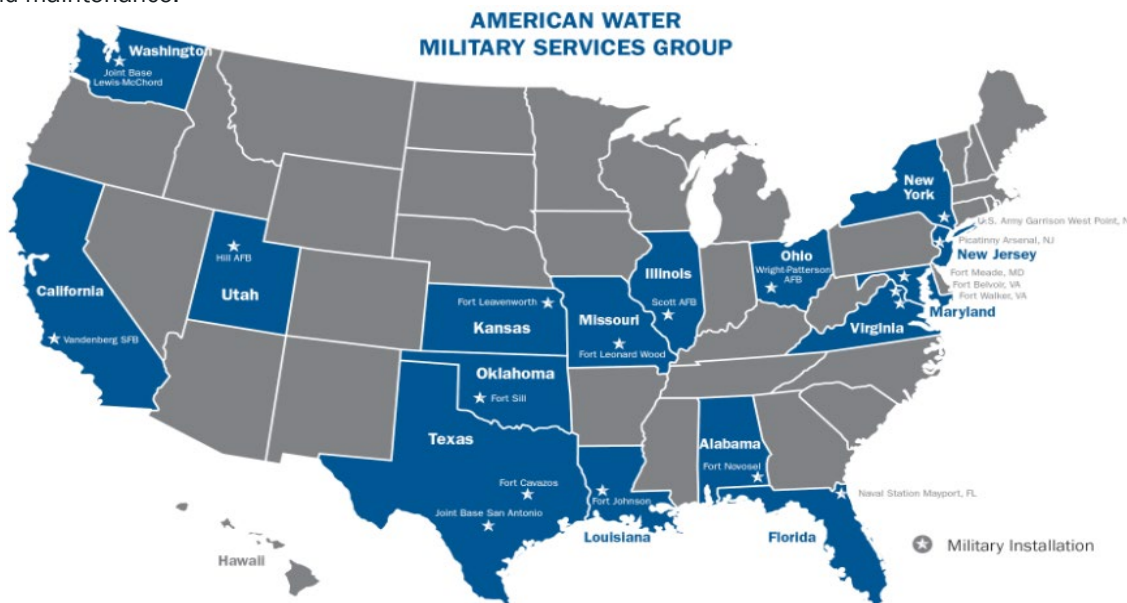
Washington

Joint Base Lewis-McChord

About Us

With a history dating back to 1886, **American Water (NYSE: AWK)** is the largest and most geographically diverse U.S. publicly traded water and wastewater utility company. The company employs more than 6,500 dedicated professionals who provide regulated and regulated-like drinking water and wastewater services to more than 14 million people in 24 states. American Water provides safe, clean, affordable and reliable water services to our customers to help keep their lives flowing. For more information, visit amwater.com and diversityataw.com. Follow American Water on [Twitter](https://twitter.com/awater), [Facebook](https://www.facebook.com/awater), [Instagram](https://www.instagram.com/awater) and [LinkedIn](https://www.linkedin.com/company/awater).

American Water's Military Services Group (MSG) has the honor of maintaining a strong and on-going partnership with the Department of Defense through the Utilities Privatization (UP) Program. MSG oversees ownership, operation and maintenance of the water and wastewater utility systems at 18 installations with 50-year contracts. Responsibilities include system capital investment, regulatory and environmental compliance, planning, asset recapitalization, and long-term operations and maintenance.



A message from American Water- Military Services Group's President



Sean Wheatley

President, American
Water - Military Services
Group

American Water's Military Services Group owns and operates water and wastewater utilities under the Utilities Privatization program and proudly provides water and wastewater services to military communities around the country, including yours. Our Company's Vision – "We Keep Life Flowing" - drives everything we do for you, our customers. To reinforce our vision and maintain your trust, it's important that we share with you information about our commitment to providing high-quality water service.

I am pleased to provide you with the 2023 Annual Water Quality Report with detailed information about the source and quality of your drinking water. We have prepared this report using the data from water quality testing conducted for your local water system from January through December 2023.

With equal importance, we place a strong focus on acting as stewards of our environment. In all the communities we serve, we work closely with the local directorates of public works, civil engineering squadrons, local environmental departments, and state regulatory agencies to protect environmental quality, educate customers on how to use water wisely, and ensure the high quality of your drinking water every day.

At American Water, our values – safety, trust, environmental leadership, teamwork, and high performance – mean more than simply making water available "on-demand". It means every employee working to deliver a key resource for public health, fire protection, mission assurance, the economy, and the overall quality of life we all enjoy. For more information or for additional copies of this report, visit us online at www.amwater.com.

Sean Wheatley
Military Services Group
American Water



ATTENTION: Landlords and Apartment Owners

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About Your Drinking Water Supply

WHERE YOUR WATER COMES FROM

Fort Meade is in the Atlantic Coastal Plain Physiographic Province. This region is underlain by unconsolidated gravel, sand, silt and clay. The strata., such as those that are composed primarily of sand and gravel, yield substantial quantities of water to wells and are termed aquifers. Confining beds are usually composed primarily of silt and clay. In areas like the Atlantic Coastal Plain, where alternating layers of sand and clay occur, water becomes stored at great depths by over and underlying impermeable layers. The clays that confine the aquifer also protect the aquifer from contamination from surface sources. Fort Meade wells are drilled into the Patuxent aquifer, the deepest of the confined aquifers in Anne Arundel County. The clay above is known as the Arundel Clay. It is a hard, dense clay layer that is not capable of transmitting much water. There are 6 aquifers above the Patuxent aquifer (Lower Patapsco, Upper Patapsco, Magothy, Aquia, Piney Point and Manokin). To request a copy of the source water assessment, please contact us at 410-305-4259.

Disinfection treatment: The groundwater supplies are disinfected with Sodium Hypochlorite to maintain water quality in the distribution system at Fort Meade.



QUICK FACTS ABOUT THE FORT MEADE SYSTEM

Communities served:

- Fort Meade
- New Beginnings Youth Development Center
- DC National Guard Training Center
- Tipton Airfield
- Woodland Job Corp

Water source:

6 Ground wells drilled into the Patuxent Aquifer

Average amount of water supplied to customers on a daily basis:

1.81 million gallons per day



What are the Sources of Contaminants?

To provide tap water that is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 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 (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, aquifers and/or groundwater. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

SPECIAL HEALTH INFORMATION

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/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

CONTAMINANTS THAT MAY BE PRESENT IN SOURCE WATER INCLUDE:

Microbial Contaminants	such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
Inorganic Contaminants	such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
Pesticides and Herbicides	which may come from a variety of sources, such as agriculture, urban storm water runoff, and residential uses.
Organic Chemical Contaminants	including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
Radioactive Contaminants	which can be naturally occurring or be the result of oil and gas production and mining activities.



Protecting Your Drinking Water Supply

Protecting drinking water at its source is an important part of the process to treat and deliver high quality water. It takes a community effort to protect our shared water resources. This includes utilities, businesses, residents, government agencies and organizations. Everyone who lives, works, and plays in the area has a role and stake in clean water supplies.

WHAT CAN YOU DO?

Quality drinking water starts upstream. Everyone can help maintain and improve drinking water supplies through the following actions:

- Properly dispose of pharmaceuticals, household chemicals, oils and paints. Materials can impact waterways if poured down the drain, flushed down the toilet, or dumped on the ground.
- Check for leaks from automobiles and heating fuel tanks. Clean up any spills using an absorbent material like cat litter. Sweep up the material and put it in a sealed bag. Check with the local refuse facility for proper disposal.
- Clean up after your pets and limit the use of fertilizers and pesticides.
- Take part in watershed activities.

Report any spills, illegal dumping or suspicious activity to Maryland Department of the Environment at 866-633-4686.

FOR MORE INFORMATION

To learn more about your water supply and local activities, visit us online at www.amwater.com or contact us at 410-305-4259

WHAT ARE WE DOING?

Our priority is to provide reliable, quality drinking water service for customers. The source of supply is an important part of that mission. We work to understand and reduce potential risks to your drinking water supply. MDE has developed a Well Head Protection Plan under the Safe Drinking Water Act Amendments of 1986. The EPA approved MDE's Wellhead Protection Program in June of 1991. MDE's program provides technical assistance, information, and funding to local governments, to help them protect their water supplies. **Here are a few of the efforts underway to protect our shared water resources:**



Community Involvement: We have a proactive public outreach program to help spread the word and get people involved. This includes school education and other community activities.



Delineate wellhead protection areas.: The area around the drinking water well where contaminants could enter and pollute the well has been defined.



Manage the wellhead protection area. There are many methods that communities can use to manage their WHPAs. Educating citizens about their water supply and Fort Meade facilities monitor ground water quality to detect pollution before it reaches the public supply well are a few examples.

About Lead

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. American Water Military Services 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 American Water Military Services at 410-695-5635. 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>.

The most common source of lead in tap water is from the customer's plumbing and their service line.

The utility-owned water mains are not made of lead; however, the water service line that carries the water from the water main in the street to your home could be. Homeowners' service lines may be made of lead, copper, galvanized steel or plastic. You can assess your service line material where it enters your home, typically in your basement, crawl space or garage, near the inlet valve.

MINIMIZING YOUR POTENTIAL EXPOSURE

You cannot see, smell or taste lead, and boiling water will not remove lead. Here are steps you can take to reduce your potential exposure if lead exists in your home plumbing.

CHECK YOUR PLUMBING AND SERVICE LINE

If you live in an older home, consider having a licensed plumber check your plumbing for lead. If your service line is made of lead, and you're planning to replace it, be sure to contact us at 410-305-4259



1. Flush your taps. The longer the water lies dormant in your home's plumbing, the more lead it might contain. If the water in your faucet has gone unused for more than six hours, flush the tap with cold water for 30 seconds to two minutes before drinking or using it to cook. To conserve water, catch the running water and use it to water your plants.



2. Use cold water for drinking and cooking. Hot water has the potential to contain more lead than cold water. If hot water is needed for cooking, heat cold water on the stove or in the microwave.



3. Routinely remove and clean all faucet aerators.



4. Look for the "Lead Free" label when replacing or installing plumbing fixtures.



5. Follow manufacturer's instructions for replacing water filters in household appliances, such as refrigerators and ice makers, as well as home water treatment units and pitchers. Look for NSF 53 certified filters.



6. Flush after plumbing changes. Changes to your service line, meter, or interior plumbing may result in sediment, possibly containing lead, in your water supply. Remove the strainers from each faucet and run the water for 3 to 5 minutes.

Important Information About **Drinking Water**

CHLORINE

Water comes from a variety of sources, such as lakes and wells, which can be contaminated with germs that may make people sick. Germs can also contaminate water as it travels through miles of piping to get to a community. To prevent contamination with germs, Fort Meade adds Sodium Hypochlorite (chlorine) through the treatment process. Using or drinking water with small amounts of chlorine does not cause harmful health effects and provides protection against waterborne disease outbreaks.

During dialysis, large amounts of water are used to clean waste products out of a patient's blood. Dialysis centers must treat the water to remove all chemical disinfectants, including chlorine and chloramine, before the water can be used for dialysis. Home dialysis users should consult the machine manufacturer for instructions on how to properly treat their water before use.

Chlorine is toxic to fish, other aquatic animals, reptiles, and amphibians. Unlike humans and other household pets, these types of animals absorb water directly into the blood stream. Don't keep these animals in water that contains these disinfectants. Chlorine can be removed from water by letting it sit out for a few days or by buying a product at your local pet store that removes the chlorine. Ask your local pet store about methods of removing disinfectants from water for these pets.

FLUORIDE

Fluoride is a naturally occurring substance. Fluoride is added to drinking water to reduce tooth decay. It can be present in drinking water from two sources:

- 1. By nature** when groundwater comes into contact with fluoride-containing minerals naturally present in the earth; or
- 2. By a water purveyor** through addition of fluoride to the water they are providing in the distribution system.

The Fort Meade Water system adds fluoride to the water leaving the treatment plant. The fluoride residual leaving the treatment plant is adjusted to achieve an optimal fluoride level of 0.70 parts per million (ppm). The range of Fluoride in Fort Meade's Water was 0.49 ppm to 0.80 ppm in 2023.

NITRATES

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.



Important Information About Drinking Water



UNREGULATED CONTAMINANT MONITORING RULE (UCMR)

The EPA created the Unregulated Contaminants Monitoring Rule (UCMR) to assist them in determining the occurrence of unregulated contaminants in drinking water and whether new regulations are warranted. The first Unregulated Contaminants Monitoring Rule (UCMR1) testing was completed in 2003 for a list of contaminants specified by the EPA. Unregulated contaminants are those for which the EPA has not established drinking water standards. UCMR2 testing was conducted between November 2008 and August 2009, and UCMR3 assessment monitoring was conducted between January 2013 and December 2016. UCMR4 testing began in 2018 and continued until 2020. The results from the UCMR monitoring are reported directly to the EPA.

Between 2023 – 2025 our water system is sampling for a series of unregulated contaminants as required by EPA's UCMR5. The UCMR5 sample results taken in 2023 for the selected contaminants were all non-detect (All results are on page 17). Unregulated contaminants are those that do not yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that we are performing this sampling and that these data will be available. If you are interested in examining the results, please contact American Water at 410-305-4259. More information on the UCMR process, which at this time includes monitoring for 29 PFAS analytes and lithium, is available at <https://www.epa.gov/dwucmr>.

PFAS

Per- and polyfluoroalkyl substances (PFAS) are manufactured chemicals used in many household products including nonstick cookware (e.g., Teflon™), stain repellants (e.g., Scotchgard™), and waterproofing (e.g., GORE-TEX™). They are also used in industrial applications such as in firefighting foams and electronics production. There are thousands of PFAS chemicals, and they persist in the environment. Two well-known PFAS chemicals are perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS). These were phased out of production in the United States and replaced by hexafluoropropylene oxide-dimer acid (commonly known as GenX), perfluorobutane sulfonic acid (PFBS) and others.

American Water Operations & Maintenance, LLC. – Fort Meade has performed voluntary sampling in 2023 to better understand certain occurrences of PFAS levels in drinking water sources. PFOA and PFOS were not detected in the water above the detection limits for the testing (All results on page 18). This sampling allows us to be better prepared as U.S. EPA is currently developing drinking water standards for six PFAS chemicals – PFOA (4 ppt), PFOS (4 ppt) and GenX, PFBS, PFNA, and PFHxS as a group using a Hazard Index of 1. For more information on the proposed PFAS drinking water standards, please visit <https://www.epa.gov/pfas>. Testing also allows us to be better prepared if the USEPA or state environmental regulator develop a drinking water standard for those PFAS for which we have USEPA approved testing methods. Additional information about PFAS can be found on the MDE website: <https://mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx>

The science and regulation of PFAS and other contaminants is always evolving, and American Water strives to be a leader in research and development. PFAS contamination is one of the most rapidly changing areas in the drinking water field. We have invested in our own independent research, as well as engaging with other experts in the field to understand PFAS occurrence in the environment. We are also actively assessing treatment technologies that can effectively remove PFAS from drinking water, because we believe that investment in research is critically important to addressing this issue.



American Water has a history of leading research to understand contaminants that can make their way through the environment. Our dedicated scientists work with leaders in the water community to develop methods to detect, sample, measure and address these contaminants. Because investment in research is critical to address PFAS, American Water actively assesses treatment technologies that can effectively remove PFAS from drinking water.

Lauren A. Weinrich, Ph.D.
Principal Scientist



Water Quality Results

WATER QUALITY STATEMENT

We are pleased to report that during calendar year 2023, the results of testing of your drinking water complied with all state and federal drinking water requirements.

For your information, we have compiled a list in the table below showing the testing of your drinking water during 2023. The Maryland Department of the Environment allows us to monitor for some contaminants less than once per year because the concentration of the contaminants does not change frequently. Some of our data, though representative, are more than one year old.

Definition of Terms

These are terms that may appear in your report.

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

DDW: Division of Drinking Water

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

LRAA: Locational Running Annual Average

Maximum Contaminant Level (MCL): 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. Secondary MCLs (SMCL) are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): 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.

Maximum Residual Disinfectant Level (MRDL): The highest level of disinfectant allowed in drinking water. There is

convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MFL: Million fibers per liter.

micromhos per centimeter ($\mu\text{mhos/cm}$): A measure of electrical conductance.

NA: Not applicable

N/A: No data available

ND: Not detected

Nephelometric Turbidity Units (NTU): Measurement of the clarity, or turbidity, of the water.

Notification Level (NL): The concentration of a contaminant, which, if exceeded, requires notification to DDW and the consumer. Not an enforceable standard.

pH: A measurement of acidity, 7.0 being neutral.

picocuries per liter (pCi/L): Measurement of the natural rate of disintegration of radioactive contaminants in water (also beta particles).

parts per billion (ppb): One part substance per billion parts water, or micrograms per liter.

parts per million (ppm): One part substance per million parts water, or

milligrams per liter.

parts per trillion (ppt): One part substance per trillion parts water, or nanograms per liter.

Primary Drinking Water Standard (PDWS): MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

RAA: Running Annual Average

Secondary Maximum Contaminant Level (SMCL): Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

SWRCB: State Water Resources Control Board

TON: Threshold Odor Number

Total Dissolved Solids (TDS): An overall indicator of the amount of minerals in water.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Variances and Exemptions: State or EPA permission not to meet an MCL or utilize a treatment technique under certain conditions.

%: Percent

MEASUREMENTS

Parts Per Million



in a 10 gallon fish tank

Parts Per Billion



in a 10,000 gallon swimming pool

Parts Per Trillion



in 35 junior size Olympic pools

Water Quality Results

American Water Operations & Maintenance, LLC. – Fort Meade conducts extensive monitoring to determine if your water meets all water quality standards. The detections of our monitoring are reported in the following tables. While most monitoring was conducted in 2023, certain substances are monitored less than once per year because the levels do not change frequently. For help with interpreting the tables below, see the “Definition of Terms” on the previous page. Some unregulated substances are measured, but maximum contaminant levels have not been established by the government. These contaminants are shown for your information.

HOW TO READ THE TABLE (FROM LEFT TO RIGHT)

- Starting with **Substance (with units)**, read across.
- **Year Sampled** is usually in 2023 but may be a prior year.
- A **Yes** under **Compliance Achieved** means the amount of the substance met government requirements.
- **MCLG/MRDLG** is the goal level for that substance (this may be lower than what is allowed).
- **MCL/MRDL/TT/Action Level** shows the highest level of substance (contaminant) allowed.
- **Highest, Lowest or Average Compliance Result** represents the measured amount detected.
- **Range** tells the highest and lowest amounts measured.
- **Typical Source** tells where the substance usually originates.

LEAD AND COPPER MONITORING PROGRAM - At least 30 tap water samples collected at customers' taps every three years.

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	Action Level (AL)	90 th Percentile	No. of Premises Sampled	Premises Above Action Level	Typical Source
Lead (ppb)	2022	Yes	0	15	<2	50	0	Corrosion of household plumbing systems.
Copper (ppm)	2022	Yes	0	1.3	0.028	50	0	Corrosion of household plumbing systems.

REVISED TOTAL COLIFORM RULE - At least 70 samples collected each month in the distribution system

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Percentage OR Highest No. of Samples	Typical Source
Total Coliform ¹	2023	Yes	0	*TT = Less than 5% OR TT = No more than 1 positive monthly sample	1.35%	Naturally present in the environment.
E. Coli ²	2023	Yes	0	TT = No confirmed samples	0	Human and animal fecal waste.

NOTE: Coliforms are bacteria that are naturally present in the environment and are used as an indicator of the general bacteriological quality of the water. We are reporting the highest percentage of positive samples / highest number of positive samples in any month.

¹ The Treatment Technique for Total Coliforms requires that if the maximum percentage OR number of total coliform positive samples are exceeded, a system assessment must be conducted, any sanitary defects identified, and corrective actions completed. Additional Level 1 Assessments or Level 2 Assessments are required depending on the circumstances.

² The Treatment Technique for E. Coli requires that for any routine sample that is positive for total coliform where either the original sample or one of the repeat check samples is also positive for E. Coli, a Level 2 Assessment must be conducted, any sanitary defects identified, and corrective actions completed.

³ The E. Coli MCL is exceeded if routine and repeat samples are total coliform-positive and either is E. coli-positive, or the system fails to take repeat samples following an E. coli-positive routine sample, or the system fails to analyze total coliform-positive repeat samples for E. coli.

DISINFECTION BYPRODUCTS - Collected in the Distribution System

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest LRAA	Range Detected	Typical Source
Total Trihalomethanes (TTHMs) (ppb)	2023	Yes	NA	80	21.0	15.2 to 21	By-product of drinking water disinfection.
Haloacetic Acids (HAA5s) (ppb)	2023	Yes	NA	60	3.9	2.2 to 3.9	By-product of drinking water disinfection.

DISINFECTANTS - Collected in the Distribution System and at the Treatment Plant

Substance (with units)	Year Sampled	Compliance Achieved	MRDLG	MCL	Highest Compliance Result	Range Detected	Typical Source
Entry Point Chlorine Residual (ppm) ¹	2023	Yes	4	4	1.78	1.33 to 1.78	Water additive used to control microbes.
Distribution System Chlorine Residual (ppm) ²	2023	Yes	4	4	1.42	1.04 to 1.42	Water additive used to control microbes.

1 - Data represents the highest monthly average of chlorine residuals measured leaving the water treatment plant.

2 - Data represents the highest monthly average of chlorine residuals measured throughout our distribution system.

OTHER REGULATED SUBSTANCES - Collected at the Treatment Plant

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source
Arsenic (ppb)	2022	Yes	0	10	ND	ND	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppb)	2022	Yes	2000	2000	ND	ND	Discharge of drilling waters; Discharge from metal refineries; Erosion of natural deposits.
Beryllium (ppb)	2022	Yes	4	4	ND	ND	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
Cadmium (ppb)	2022	Yes	5	5	ND	ND	Corrosion of galvanized pipes; Erosion of natural deposits; Metal refineries discharge; Waste batteries and paint runoff
Chromium (ppb)	2022	Yes	100	100	ND	ND	Discharge from steel and pulp mills.
Fluoride (ppm)	2022	Yes	4	4	0.75	0.74 - 0.75	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury (ppb)	2022	Yes	2	2	ND	ND	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills and cropland.
Nitrate (ppm)	2023	Yes	10	10	ND	ND	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	2022	Yes	50	50	ND	ND	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Thallium (ppb)	2022	Yes	2	0.5	ND	ND	Leaching from ore processing sites; Discharge from electronics, glass and drug factories.

SECONDARY CONTAMINANTS - Collected at the Treatment Plant

Substance (with units)	Year Sampled	Highest Result	Range Detected	SMCL ¹	Comments
Fluoride (ppm)	2023	0.80	0.49 - 0.80	2.0	Naturally occurring. Fluoride is added to drinking water to reduce tooth decay.
Iron (ppm)	2023	0.06	0.00 - 0.06	0.3	Naturally occurring.
pH (std unit)	2023	8.18	7.55 - 8.18	6.5 - 8.5	pH is a measure of the acid/base properties of water.
Zinc (ppm)	2023	0.40	0.15 - 0.40	5	Naturally occurring. Zinc is added to water to inhibit corrosion.

1 - Substances with Secondary MCLs do not have MCLGs; these limits are primarily established to address aesthetic concerns.

SYNTHETIC ORGANIC CHEMICALS - Collected at the Treatment Plant

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source
Atrazine (ppb)	2023	Yes	3	3	ND	ND	Erosion of natural deposits.
Alachlor (ppb)	2023	Yes	0	2	ND	ND	Erosion of natural deposits

VOLATILE ORGANIC CHEMICALS - Collected at the Treatment Plant

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source
Xylene, Total (ppb)	2023	Yes	10000	10000	ND	ND	Discharge from petroleum factories; discharge from chemical factories

OTHER SUBSTANCES OF INTEREST - Collected at the Treatment Plant

Substance (with units)	Year Sampled	Highest Result	Range Detected
Alkalinity, Total (ppm)	2023	25	16 - 25
Conductivity (µmhos/cm)	2023	71	50 - 71
Hardness, Total (as CaCO ₃ , ppm)	2023	9	4 - 9
Methyl tert-butyl ether (ppb)	2023	ND	ND
Nickel (ppb)	2022	6	6
Phosphorus, Total (ppm)	2023	1.47	0.69 - 1.47
Sodium (ppm) ¹	2022	13.3	12.6 - 13.3
Chloroform (ppb)	2023	13.3	10.0 - 13.3

1 - For healthy individuals the sodium intake from water is not important because a much greater intake of sodium takes place from salt in the diet. However, sodium levels above the recommended upper limit may be of concern to individuals on a sodium restricted diet.

UNREGULATED CONTAMINANT MONITORING RULE #5 – Collected at the Treatment Plant

Parameter	Units	Year Sampled	Highest Result	Range Detected
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11Cl-PF30UdS)	ppb	2023	ND	ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9Cl-PF30NS)	ppb	2023	ND	ND
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ppb	2023	ND	ND
Hexafluoropropylene oxide dimer Acid (HFPO DA)	ppb	2023	ND	ND
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	ppb	2023	ND	ND
Perfluorobutanoic Acid (PFBA)	ppb	2023	ND	ND
Perfluorobutanesulfonic Acid (PFBS)	ppb	2023	ND	ND
1H,1H, 2H, 2H-perfluorodecane sulfonic Acid (8:2FTS)	ppb	2023	ND	ND
Perfluorodecanoic Acid (PFDA)	ppb	2023	ND	ND
Perfluorododecanoic Acid (PFDoA)	ppb	2023	ND	ND
Perfluoro(2-ethoxyethane)sulfonic Acid (PFEESA)	ppb	2023	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	ppb	2023	ND	ND
Perfluoroheptanoic Acid (PFHpA)	ppb	2023	ND	ND
1H,1H, 2H, 2H-perfluorohexane sulfonic Acid (4:2FTS)	ppb	2023	ND	ND
Perfluorohexanesulfonic Acid (PFHxS)	ppb	2023	ND	ND
Perfluorohexanoic Acid (PFHxA)	ppb	2023	ND	ND
Perfluoro-3-methoxypropanoic Acid (PFMPA)	ppb	2023	ND	ND
Perfluoro-4-methoxybutanoic Acid (PFMBA)	ppb	2023	ND	ND
Perfluorononanoic Acid (PFNA)	ppb	2023	ND	ND
1H,1H, 2H, 2H-perfluorooctane sulfonic Acid (6:2FTS)	ppb	2023	ND	ND
Perfluorooctanesulfonic Acid (PFOS)	ppb	2023	ND	ND
Perfluorooctanoic Acid (PFOA)	ppb	2023	ND	ND
Perfluoropentanoic Acid (PFPeA)	ppb	2023	ND	ND
Perfluoropentanesulfonic Acid (PFPeS)	ppb	2023	ND	ND
Perfluoroundecanoic Acid (PFUnA)	ppb	2023	ND	ND
N-ethyl perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ppb	2023	ND	ND
N-methyl perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ppb	2023	ND	ND
Perfluorotetradecanoic Acid (PFTA)	ppb	2023	ND	ND
Perfluorotridecanoic Acid (PFTrDA)	ppb	2023	ND	ND
Lithium	ppb	2023	ND	ND

PFAS

PFAS are not regulated in Maryland. In 2023, U.S. EPA proposed drinking water standards for six PFAS chemicals – PFOA (4 ppt), PFOS (4 ppt) and GenX, PFBS, PFNA, and PFHxS as a group using a Hazard Index of 1. For more information on the proposed PFAS drinking water standards, please visit <https://www.epa.gov/pfas>.

PFAS chemicals are unique, so two PFAS chemicals at the same level typically do not present the same risk. Therefore, you should not compare the results for one PFAS chemical against the results of another.

UNREGULATED PFAS CHEMICALS							
Parameter	Year Sampled	Units	Average Amount Detected	Range Low-High	Proposed U.S. EPA MCL	Hazard Index Calculation	Typical Source
Perfluorooctanoic acid (PFOA)	2023	ppt	ND	ND	4.0 ppt	N/A	Manufactured chemical(s); used in household goods for stain, grease, heat and water resistance.
Perfluorooctanesulfonic acid (PFOS)	2023	ppt	ND	ND	4.0 ppt	N/A	
Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX chemicals)	2023	ppt	ND	ND	1.0 ppt Hazard Index (unitless)	ND	
Perfluorobutanesulfonic acid (PFBS)	2023	ppt	ND	ND			
Perfluorohexane sulfonic acid (PFHxS)	2023	ppt	ND	ND			
Perfluorononanoic acid (PFNA)	2023	ppt	ND	ND			
N-ethyl perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2023	ppt	ND	ND	N/A	N/A	
N-methyl perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2023	ppt	ND	ND	N/A	N/A	
Perfluorodecanoic Acid (PFDA)	2023	ppt	ND	ND	N/A	N/A	
Perfluorododecanoic Acid (PFDoA)	2023	ppt	ND	ND	N/A	N/A	
Perfluoroheptanoic Acid (PFHpA)	2023	ppt	ND	ND	N/A	N/A	
Perfluorohexanoic Acid (PFHxA)	2023	ppt	ND	ND	N/A	N/A	
Perfluorotetradecanoic Acid (PFTA)	2023	ppt	ND	ND	N/A	N/A	
Perfluorotridecanoic Acid (PFTTrDA)	2023	ppt	ND	ND	N/A	N/A	
Perfluoroundecanoic Acid (PFUnA)	2023	ppt	ND	ND	N/A	N/A	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11Cl-PF30UdS)	2023	ppt	ND	ND	N/A	N/A	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid (9Cl-PF30NS)	2023	ppt	ND	ND	N/A	N/A	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	2023	ppt	ND	ND	N/A	N/A	

Tested for, but **Not Detected**

Volatile Organic Chemicals (VOC's) – Sampled in 2023

- Benzene
- Carbon Tetrachloride
- o-Dichlorobenzene
- p-Dichlorobenzene
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Dichloromethane
- 1,2-Dichloropropane
- Ethylbenzene
- Monochlorobenzene
- Styrene
- Tetrachloroethene (PCE)
- Toluene
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethene (TCE)
- Vinyl Chloride
- Bromodichloromethane
- Bromoform
- Chloroform
- Dibromochloromethane
- Bromomethane
- n-Butylbenzene
- Sec-butylbenzene
- Tert-butylbenzene
- Chloroethane
- o-Chlorotoluene
- p-Chlorotoluene
- m-Dichlorobenzene
- Dibromomethane
- 1,1-Dichloroethane
- 1,3-Dichloropropane
- 2,2-Dichloropropane
- 1,1-Dichloropropene
- 1,3-Dichloropropene
- Dichlorodifluoromethane
- Hexachlorobutadiene
- Isopropylbenzene
- p-Isopropyltoluene
- Methyl tert-Butyl ether (MTBE)
- Naphthalene
- n-Propylbenzene
- 1,1,1,2-Tetrachloroethane
- 1,1,2,2-Tetrachloroethane
- 1,2,3-Trichlorobenzene
- Trichlorofluoromethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- o-xylene
- m,p-xylene
- Xylene (total)
- Chloromethane
- Bromobenzene
- Bromochloromethane

Synthetic Organic Chemicals (SOC's) – Sampled in 2023

- Alachlor
- Gamma-BHC (Lindane)
- Atrazine (Aatrex)
- 1,2-Dibromoethane (EDB)
- 1,2-Dibromo-3-chloropropane
- Heptachlor
- Diquat
- Heptachlor epoxide
- Aroclor-1016
- Aroclor-1221
- Aroclor-1232
- Aroclor-1242
- Aroclor-1248
- Aroclor-1254
- Aroclor-1260
- Lindane
- Technical Chlordane
- Methoxychlor
- Total PCBs
- Toxaphene
- Endrin
- 3-Hydroxycarbofuran
- Aldicarb
- Simazine (Princep)
- Aldicarb Sulfone
- Aldicarb Sulfoxide
- Benzo(a)pyrene
- Carbaryl (Sevin)
- Carbofuran
- Di(ethylhexyl)adipate
- Methiocarb
- Methomyl
- Di(ethylhexyl)phthalate
- Oxamyl (Vydate)
- Glyphosate
- Hexachlorobenzene
- Endothall
- 2,4'-D
- Hexachlorocyclopentadiene
- 2,4,5-T
- 2,4,5-TP (Silvex)
- Aldrin
- 2,4,-DB
- 3,5-Dichlorobenzoic Acid
- Butachlor
- Acifluorfen
- Bentazon
- Dieldrin
- Dacthal
- Dalapon
- Metolachlor
- Dicamba
- Dichloroprop
- Dinoseb
- Metribuzin
- Pentachlorophenol
- Picloram
- Propachlor
- 2,3,7,8-TCDD (Dioxin)



Every Drop
Counts

Six Simple Steps to Save Water



Fix any leaking faucets.

One drop every 2 seconds from a leaky faucet wastes 2 gallons of water every day. That's water — and money — down the drain.



Don't let faucets run when brushing, shaving, or washing the dishes.

Just turning off the water while you brush can save 200 gallons a month.



Run washing machines and dishwashers only when they are full, or select the properly-sized wash cycle for the current laundry load.



Install water-saving shower heads and faucet aerators

in the bathroom and kitchen (available at most home improvement stores and some supermarkets).



Don't wash your car at home. A car wash uses much less water and often recycles it, too.



Turn off automatic lawn and garden sprinklers

when it's raining outside and at the end of the growing season.

How to Contact Us

If you have any questions about this report, your drinking water, or service, please contact the American Water Operations & Maintenance, LLC.
– Fort Meade at 410-305-4259 .



WATER INFORMATION SOURCES

American Water

<https://www.amwater.com/corp/Products-Services/Military-Services/water-quality-reports>

Maryland Department Of the Environment

www.mde.Maryland.gov

United States Environmental Protection Agency (USEPA)

www.epa.gov/safewater

Safe Drinking Water Hotline

(800) 426-4791

Centers for Disease Control and Prevention

www.cdc.gov

American Water Works Association

www.awwa.org

Water Quality Association

www.wqa.org

National Library of Medicine/National Institute of Health

www.nlm.nih.gov/medlineplus/drinkingwater.html

This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

Este informe contiene información importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Ntawm no yog daim ntawv tshaj qhia uas muaj cov ntaub ntawv tseem ceeb hais txog koj cov dej haus. Txhais nws, los sis tham nrog ib tus neeg uas nkag siab txog nws.

這是關於您的水質的十分重要的資訊。翻譯此資訊或和了解此資訊的人通話。

इस रिपोर्ट में आपके पीने के पानी के बारे में महत्वपूर्ण जानकारी है। इसका अनुवाद करें, या इसे समझने वाले किसी व्यक्ति से बात करें।

Этот отчет содержит важную информацию о Вашей питьевой воде. Переведите его или обратитесь к кому-либо, кто понимает ее.

Ang ulat na ito ay may taglay na mahalagang impormasyon tungkol sa inyong inuming tubig. Isalin ito sa ibang wika, o makipag-usap sa isang tao na naiintindihan ito.

Đây là thông tin rất quan trọng về chất lượng nước của quý vị. Xin quý vị dịch ra hoặc nhờ ai đó có thể hiểu được thông tin này.