

Annual Drinking Water Quality Report 2024
Parkway Subdivision Water Company MD0080035
Charles County, Maryland
May, 2025

We are pleased to present this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality of the water 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 that the quality of your water meets all local, State and Federal standards and regulations.

A Source Water Assessment was prepared by MDE and is available from the MDE website. https://mde.maryland.gov/programs/Water/water_supply/Source_Water_Assessment_Program/Pages/cl.aspx. For more information call 1-800-633-6101.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer who are 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 microbiological contaminants are available from the Safe Drinking Water Hotline (1-900-426-4791).

The source of the drinking water for your system is one well in the Patapsco Aquifer. An aquifer is a sort of underground reservoir or deposit of water that is tapped by drilling wells, and pumping the water to the surface for distribution. The earth between the surface (where sources of contamination occur) and this underground aquifer help to purify the water before it actually reaches the aquifer. This makes it easier for us to treat the water supply before we pump it into your water distribution system.

We are pleased to report that the drinking water in your system is safe and meets Federal and State requirement. The following report is provided in compliance with Federal regulations and will be provided annually. This report outlines the quality of our finished drinking water and what that quality means. If you have any questions concerning this report or any aspect of your water utility, please contact Alvin Bennett/ Melvin Williams at Parkway Water Company at 301-934-8063.

Alvin Bennett/ Marvin Williams routinely monitors the Parkway Water Company community water system for contaminants in your drinking water according to Federal and State laws. The tables on the following pages show the results of our monitoring for the period of January 1, through December 31, 2024. As water travels over the land or 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 reasonable 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.

Definitions

In this report, 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 - 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 Microgram per liter - one part per trillion corresponds to one minute in 2,000,000 years, 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.

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.

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

TEST RESULTS						
Contaminant	Violation	Level	Unit	MCLG	MCL	Likely Source of Contamination
	Y/N	Detected /Range	Measurement			
Disinfection By-Products						
Haloacetic Acids (HAA5) (2023)	N	0.29	ppb	0	60	By-product of drinking water disinfection
TTHM (Distribution) (2020) (Total trihalomethanes)	N	1.48	ppb	0	80	By-product of drinking water chlorination
Radioactive Contaminants						

Combined radium – 226/228 (2020)	N		pCi/l	0	5	Erosion of natural deposits
Highest level average		0.9 0.9				
Chromium (2023)	N	1	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits

Inorganic Contaminants

Fluoride (2021)	N	1.1	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Barium (2023)	N	0.046	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

<i>Lead and Copper</i>	Violation Y/N	90 th Percentile	Range of Tap Sampling	Units	MCLG or MRDLG	(AL Limits) / # Sites Over	Likely Source of Contamination
Copper (distribution) (2023)	N	0.627	0.294 – 0.634	ppm	1.3	AL= 1.3 Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (distribution) (2023)	N	ND (<5)	ND (<5) - ND (<5)	ppb	0	AL= 15 Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Note: Test results are for year 2024 or as otherwise indicated; All contaminants are not required to be tested for annually.

The Maryland Dept. of the Environment requires monitoring for some contaminants less than once per year, because the concentrations of these contaminants do not change frequently. Some of our data, though representative, is more than one year old.

Unregulated Contaminants are those for which the EPA has not established drinking water standards. The purpose of the unregulated contaminant monitoring is to assist EPA in determining the occurrences of unregulated contaminants in drinking water and whether future regulation is warranted

An initial inventory of service line pipe materials located within our service area required to be submitted to the Maryland Department of the Environment (MDE) by October 16, 2024. We submitted the service line inventory report by the deadline, and the “report is available upon request”.

Parkway Water Company has completed the service line inventory required by U.S. EPA’s Lead and Copper Rule Revisions (initial inventory due October 16th, 2024)

For more information on our service line inventory please call 301-934-8063.

Through completing a records review, it has been determined it has no Lead or Galvanized Replacement (GRR) service lines in its distribution system. This includes all system owned and customer portions of all service lines regardless of actual or intended use.

Construction records, meter replacements, and distribution maps were used to help us determine the composition of our systems service lines.

Parkway Water Company has reviewed all applicable sources of information to complete the inventory and will continue to identify and track service line materials as they are encountered during normal operations. If, in the future, a Lead or Galvanized requiring replacement (GRR) service line is found within our system, we will prepare an updated inventory and submit to the Maryland Department of the Environment and in addition, the inventory will be made publicly available for water customers to view, and customer will be notified of any change in the service line material, if applicable.

For more information on our service line inventory please call 301-934-8063.

LEAD IN DRINKING WATER

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. Parkway Subdivision Water Company 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 Alvin Bennett/ Marvin Williams at 301-934-8063. 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>.

Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining and /or pitting of teeth, and occurs only in developing teeth.

The presence of some contaminants in drinking water is unavoidable, but we make every effort to keep our water at or below the levels specified by law as being safe for consumption. Your water system is operated by a licensed operator, who is trained to provide you with the best quality water possible.

The Maryland Rural Water Association's State Circuit Rider assisted with the completion of this report.

All customers are urged to participate in protecting this valuable resource and practice conservation to ensure a sustainable water supply for our community.