

*Swan Harbour Dell Mobile Home Park
Annual Drinking Water Quality Report for 2024
PWSID #0120205*

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 three (3) potable groundwater wells: WELL 1 (identifier HA811937), near 1.7 miles northeast of Aberdeen; approximately 14 feet west of Robin Hood Road, WELL 3 (identifier HA811911) near 2 miles northwest of Aberdeen; approximately 40 feet west of Pine Street, and WELL 5 (identifier HA812099), near 1.6 miles northeast of Aberdeen; approximately 250 feet south of Walnut Street. 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.

Swan Harbour Dell Mobile Home Park management has contracted Prostart to be its water treatment plant operations firm. 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 Harford 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	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants						
Dibromochloromethane (10/24/2023)	0.00401	0.00084-0.00401	mg/L	0.06	0.1	By-product of drinking water disinfection
Tetrachloroethylene (2/12/2024)	0.89	0-0.89	ppb	0	5	Discharge from factories and dry cleaners
Chloroethane (8/9/2023)	0.82	0.81-.082	ug/L	0	0	Industrial discharge
Barium (8/28/2022)	0.017	0-0.017	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Mercury (8/28/2022)	0.23	0-0.23	ppb	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate-Nitrite (2/22/2022)	3.4	3.4	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (4/23/2024)	4.88	3.82-4.88	ppm	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)	90th Percentile: 90% of your water utility levels were less than:	Unit	AL	Sites over AL	Typical Sources
Copper, free (Period: 2022-2024)	0.067-0.9826	0.55	ppm	1.3	0	Erosion of Natural Deposits; leaching from wood preservatives; corrosion of household plumbing systems.
Lead (Period: 2022-2024)	<1-8	5.5	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.

Lead: Prostart samples the water at the Swan Harbour Dell Mobile Home Park every three years for lead and copper, most recently in 2024. 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. Swan Harbour Dell 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 VP 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. Our initial inventory was submitted to MDE on October 10, 2024, and is available upon request.

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

Additional parameters sampled in 2024 include disinfection by-products:

Disinfection Byproducts								
	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAAS)	SHD Office Bathroom Robin Hood Rd	2023-2024	0	0-0	ppb	60	0	By-product of drinking water disinfection
TTHM	SHD Office Bathroom Robin Hood Rd	2023-2024	0	0-0	ppb	80	0	By-product of drinking water chlorination

In addition to the contaminants listed above and in accordance with the revised Total Coliform Rule, Prostart also samples the water at the Swan Harbour Dell Mobile Home Park monthly for microbiological contaminants. I am pleased to report that throughout 2024, the results were completely negative for coliform and e. coli.

Disinfectant (Date)	Highest RAA	Unit	Range	MRDL	MRDLG	Typical Source
Chlorine (2024)	1.16	ppm	0.54-1.16	4	4	Water additive used to control microbes.

The Swan Harbour Dell Mobile Home Park delivered an excellent quality of water in 2024. In addition to chlorinating water to remove any bacteria, our treatment plant utilizes calcite to increase the pH of water and make it less acidic. Calcite corrects pH only enough to reach a non-corrosive equilibrium and reduce the potential leaching of copper, lead, and other metals into plumbing. The distribution system's pH throughout 2024 ranged from 6.31-6.5.

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.

The Swan Harbour Dell 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 several upgrades and maintenance projects at the Swan Harbour Dell water treatment plant in 2024, including fixing dozens of leaks that occurred throughout the year, periodically cleaning and refilling the Calcite tank, fixing a failed pump on Well 5 in June, replacing the flow meter on Well 5 in November, and replacing a chemical pump in January. Thank you in advance for your attention to this Water Quality Report (CCR) for 2024.