

*Swan Harbour Dell Mobile Home Park
Annual Drinking Water Quality Report for 2022
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 two (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. 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 has contracted Prostart to be our water treatment plant operations firm. Prostart routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of **January 1 to December 31, 2022**. 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 reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

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 - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

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.

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 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 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.

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 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.

REGULATED CONTAMINANT TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Disinfectants and Disinfectant By-Products						
Chlorine (2022)	N	0.9	ppm	4	4	Water additive used to control microbes.
Haloacetic Acids (HAA5) (2022)	N	6	ppb	No goal for this total	60	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (2022)	N	1	ppb	No goal for this total	80	By-product of drinking water disinfection.
Inorganic Contaminants						
Copper (2021)	N	90 th percentile = 0.278	ppm	1.3	Action level = 1.3	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.
Lead (2021)	N	90 th percentile = 3.1	ppb	15	Action Level = 15	Corrosion of household plumbing systems; erosion of natural deposits.
Nitrate (as Nitrogen) (2022)	N	4	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Barium (2022)	N	0.017	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Mercury (2022)	N	0.23	ppb	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.

Note: Test results are for 2022 unless otherwise noted; all contaminants do not require annual testing. These are the most recent available results.

In addition to the contaminants listed above, Prostart samples the water at the Swan Harbour Dell Mobile Home Park monthly for bacteriology. I am pleased to report that throughout 2022, the results were completely negative for coliform and e. coli.

The Swan Harbour Dell Mobile Home Park delivered an excellent quality of water in 2022. 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 2022 ranged from 6.33 to 6.61. We are dedicated to providing reliable service to our residents. Prostart oversaw several upgrades and maintenance projects at the Swan Harbour Dell water treatment plant in 2022, including replacing a broken chemical feed injector in January and completing

a major upgrade the water plant's remote access capabilities in August. This upgrade equipped the site tube with proximity sensors and added remote control access for pump control and operational information. A sample sink with drainage pit was installed in October. Planned service outages did occur in September and December; to upgrade well piping, the chemical feed header, and structural supports, and repair a leak, respectively.

Violation: Unfortunately, although we completed the required routine lead and copper sampling on time in 2021 and communicated the results to our residents, we failed to submit the Certification of Lead Sample Result Notice to MDE. This document must be provided to MDE within three months following the end of the monitoring period in which the samples were collected to certify that we provided our residents with the results of their drinking water samples. This form has since been submitted to MDE and the Swan Harbour Dell Mobile Home Park has regained compliance.

VIOLATIONS TABLE			
Violations Type	Violation Begin	Violation End	Violation Explanation
Lead and Copper Rule; Lead Consumer Notice	1/1/2022	2022	We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.

Lead: Prostart also samples the water at Swan Harbour Dell every three years for lead and copper. The next sampling event will be in 2024. Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced, or reduced. If present, elevated levels of 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 but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the EPA Safe Drinking Water Hotline at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>.

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.

Beginning in 2020, the Maryland Department of the Environment (MDE) initiated a PFAS monitoring program. PFOA and PFOS are two of the most prevalent PFAS compounds. PFOA and PFOS concentrations from samples taken from our water system on September 15, 2022 were 8.81 ppt and 13.5 ppt, respectively. Additional results for PFBS and PFHxS were 6.18 ppt and 4.62 ppt, respectively. In March 2023, EPA announced proposed Maximum Contaminant Levels (MCLs) of 4 ppt for PFOA and 4 ppt for PFOS, and a Group Hazard Index for four additional PFAS compounds. Future regulations would require additional monitoring as well as certain actions for systems above the MCLs or Hazard Index. EPA will publish the final MCLs and requirements by the end of 2023 or beginning of 2024. Additional information about PFAS can be found on the MDE website: <https://mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx>

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. Thank you in advance for your attention to this Water Quality Report (CCR) for 2022.