

Annual Drinking Water Quality Report

THUNDERBIRD APARTMENTS

Public Water System ID: MD1080029

We are pleased to present to you the Annual Water Quality Report (Consumer Confidence Report) for the year, for the period of January 1 to December 31, 2024. This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water. (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien).

For more information regarding this report, contact:

Name: SYLVESTER BALL

Phone: 240-577-5565

Sources of Drinking Water

THUNDERBIRD APARTMENTS is Ground water.

Our water source(s) and source water assessment information are listed below:

Source Name	Type of Water	Report Status	Location
THUNDERBIRD APTS NEW WELL CH140216	CH140216	Ground water	

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 surface of 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.

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 EPA's Safe Drinking Water Hotline at (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 stormwater 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.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount 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.

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 problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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. **Thunderbird Apartments** 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 **Thunderbird Apartments at 240-577-5565**. 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 Service Line Inventory was submitted to the Maryland Department of the Environment by 10/16/2024. As a result, the Service Line Inventory requirement was fulfilled. The report 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

In the tables below, 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:

Action Level (AL): 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.

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.

Maximum Contaminant Level or 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.

Maximum Contaminant Level Goal or 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 goal or 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.

Maximum residual disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Treatment Technique or 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 a treatment technique under certain conditions.

Avg: Average - Regulatory compliance with some MCLs are based on running annual average of monthly samples.

LRAA: Locational Running Annual Average

mrem: millirems per year (a measure of radiation absorbed by the body)

ppt: One part per trillion is equivalent to one nanogram (ng/L) per liter. A single drop of food coloring in 18 million gallons of water.

ppb: micrograms per liter (ug/L) or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm: milligrams per liter (mg/L) or parts per million - or one ounce in 7,350 gallons of water

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

na: not applicable.

Our water system tested a minimum of 1 sample(s) per month in accordance with the Total Coliform Rule for microbiological contaminants. With the microbiological samples collected, the water system collects disinfectant residuals to ensure control of microbial growth.

Disinfectant	Date	Highest RAA	Unit	Range	MRDL	MRDLG	Typical Source
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Regulated Contaminants

In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, the information provided in this table refers back to the latest year of chemical sampling results.

Lead and Copper	Period	90TH Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2022 - 2023	ND (<.05)	(<.05)-1	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2022 - 2023	ND (<5)	(<5)-2	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	10/6/2020	0.0359	0.0359	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CHLOROETHANE	6/7/2022	1.5	1.5	UG/L	0	0	
FLUORIDE	5/2/2023	0.21	0.21	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	8/16/2020	0.1	0 - 0.1	pCi/L	5	0	Erosion of natural deposits
GROSS BETA PARTICLE ACTIVITY	3/24/2024	7.3	5.6 - 7.3	pCi/L	50	0	Decay of natural and man-made deposits.
RADIUM-228	7/23/2024	0.2	0 - 0.2	PCI/L	5	0	Erosion of natural deposits

Unregulated Contaminant Monitoring Rule (UCMR)	Collection Date of HV	Highest Value (HV)	Range of Sampled Result(s)	Unit
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WHAT IS PFAS?

PFAS - short for 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.

Emergency Plan

**Maryland Department of the Environment
Water Supply Program
Public Water System Sanitary Survey Report**

THUNDERBIRD APARTMENTS	108-0029	Population: 40	Connections: 2
Sanitary Survey Class: 1	Sanitary Survey Date: 4/24/2025	PWS type: CWS	
Engineer: Narges Sarabi	Reviewed by: Anthony Nwagwe		

Water System Contact Information:

Main System Contact	Richard Howard	Office #:	301.645.2696
	Southern Maryland Novelty Co	Cell #:	301-653-1800
	3283 Old Washington Rd	Fax:	
	Waldorf MD 20602		alhoward3@comcast.net
System Owner Contact	Wanda Peed	Office #:	301-873-6674
	Southern Maryland Novelty Co	Cell #:	
	3283 Old Washington Rd	Fax:	
	Waldorf MD 20602		somdnovelty@outlook.com
Operator Contact	Pat Hackley (Assistant)	Office #:	
		Cell #:	301-751-2390
		Fax:	<i>301-672-7197</i>
	Waldorf MD 20602		alhoward3@comcast.net

Sanitary Survey Elements Summary:

Source	N	Management & Operations	M
Treatment	N	Operator Compliance	N
Distribution System	N	Security	N
Finished Water Storage	N	Financial	X
Pumps	N	Other	Z
Monitoring, Reporting & Data Verification	M		

R - recommendations, M - minor deficiencies, S - significant deficiencies, N - no defs/recs, X - not evaluated, Z - not

Violations History:

Violation Type	Vio. Date	End Date	Contaminant	Remark

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★ Emergency Response Plan for Small Systems in Maryland

1. System information

System Name: _____Thunderbird Apartments_____ PWSID# __108-0029

System Owner: __ Community owned __X__ Privately owned __ Publicly Owned

Name of owner contact: _____Richard A Howard_____

Address: _9265 Crain Highway Bel Alton MD 20611_____

Home phone: (_301_) ___653-1800___ Cell, pager or daytime phone: (301) ___653-1800

Name and address of operator: _____Sylvester Ball_____

Address: ___P O Box 1592 Lexington Park MD 20653_____

Home phone: (_301_) ___481-6250___ Cell, pager or daytime phone: (_240_)_577-5565_

2. System Repair information

Well repair contractor: _____Frank's Well Drilling_____ Phone: (301) 934-4240__

Distribution repair contractor: _____Proper Plumbing Services__ Phone: (301) 843-4785__

Electrician: _____REYCO Electrical Services Inc _____ Phone: (301) __843-1848

Plumber: _____Proper Plumbing Services_____ Phone: (301) _843-4785_

Electric Company emergency number: (_888_) _____440-3311 SMECO_____

3. Chemical supplier information:

Chlorine: _____N/A_____ Phone: (___) _____

Soda ash or caustic soda: _____N/A_____ Phone: (___) _____

Other: _____N/A_____ Phone: (___) _____

4. Emergency phone numbers:

MDE Emergency number: (866) MDE-GOTO {866-633-4686

_____Charles_____ County Health Department: (301) __609_ - __6900__

Local fire department: 911

Local HAZMAT team for chemical leaks: _____Clean Earth 240-389-6394_____

Alternate water source if needed: _McConnell Pool LLC 301-934-1630_ White Plains MD 20695

