



Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

January 14, 2022

George Hanson
Chesapeake Water Association
P.O. BOX 476,
Lusby, MD-20657

**Re: Follow-Up: Per- and Polyfluoroalkyl Substances Test Results
Chesapeake Ranch Estates (MD0040004)**

Dear Mr. Hanson,

Thank you for your cooperation in the Maryland Department of the Environment's (MDE, or the Department) assessment of per- and polyfluoroalkyl substances (PFAS) in drinking water. The Department is conducting this assessment to help the State better understand the occurrence of PFAS in Maryland's drinking water sources and to help water systems make informed management decisions related to their water quality.

Enclosed in this letter are the results from the samples collected from Chesapeake Ranch Estates' drinking water sources. Unfinished groundwater samples were collected from the following sources on December 20, 2021: CLUB HOUSE DR WELL 1R CA940409, GUNSMOKE TRAIL WELL 4 CA883340, and WELL 2R CA190021. Samples were analyzed for 18 PFAS under EPA Method 537.1 by the Maryland Department of Health, Laboratories Administration.

Currently, there are no enforceable national or state Maximum Contaminant Levels (MCLs) for PFAS in drinking water; however, the USEPA has established a Health Advisory Level (HAL) of 70 parts per trillion (ppt) for the sum of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS). This HAL provides drinking water customers, including the most sensitive populations, a margin of protection from lifetime exposure to PFOA and PFOS. As part of this sampling program, MDE has also set project-specific action levels for PFOA+PFOS of 35 ppt and 28 ppt that will serve as triggers for additional sampling. PFAS were not detected in the samples collected from your system.

At this time, MDE encourages your system to continue monitoring treated waters at their points of entry into the distribution system. Furthermore, MDE requests your system submit any results from voluntary monitoring to MDE to keep us apprised of the latest information relating to PFAS in state drinking water sources. Until an MCL is formally adopted into regulation, these results will not be considered as compliance results. If you have any questions or concerns, please do not hesitate to contact me at 410-537-3184 or by email at Rebecca-ann.warns@maryland.gov.

Sincerely,
Rebecca-Ann Warns
Water Supply Program

MARYLAND DEPARTMENT OF THE ENVIRONMENT
PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) ANALYTICAL RESULTS
CHESAPEAKE RANCH ESTATES
MD0040004

Analyte	CLUB HOUSE DR WELL 1R CA940409	GUNSMOKE TRAIL WELL 4 CA883340	WELL 2R CA190021
11CI-PF3OUdS	ND	ND	ND
ADONA	ND	ND	ND
9CI-PF3ONS	ND	ND	ND
HFPO-DA	ND	ND	ND
N-EtFOSAA	ND	ND	ND
N-MeFOSAA	ND	ND	ND
PFBS	ND	ND	ND
PFDA	ND	ND	ND
PFDoA	ND	ND	ND
PFHpA	ND	ND	ND
PFHxS	ND	ND	ND
PFHxA	ND	ND	ND
PFNA	ND	ND	ND
PFOS	ND	ND	ND
PFOA	ND	ND	ND
PFTA	ND	ND	ND
PFTTrDA	ND	ND	ND
PFUnDA	ND	ND	ND
Total	ND	ND	ND
PFOA/PFOS	ND	ND	ND

Unfinished groundwater samples were collected on December 20, 2021.
All results are in parts per trillion (ppt).