

2023 Annual Drinking Water Quality Report for Keswick Multi-Care in Baltimore, MD

System #: 0300005

Introduction:

- Below is Keswick’s Consumer Confidence Report (CCR) as a Secondary Disinfection Provider of water that is treated and distributed by Baltimore City.
- This is done to supplement the City’s Chlorine disinfectant to ensure additional Safety to our Patients, Employees, Guests, and Vendors and is distributed currently from one location.
- Population: 147 (per MDE and Population Survey)

Testing Requirements:

- Daily testing at the distribution source of the Secondary Disinfectant, Chlorine Dioxide (ClO₂) and By-product of Chlorite (ClO₂⁻), Weekly Distal tests of both ClO₂ and ClO₂⁻, Monthly Coliform, and normally yearly testing for Chlorine By-products of Tri-halomethanes (THMs) and Haloacetic Acids (HAA5s) that are produced by Baltimore City Chlorine Feed, not the ClO₂ administered by Keswick.

Definitions:

Maximum Contaminant Level Goal (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 and are non-enforceable public health goals.

- Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
- Maximum Residual Disinfectant Level Goal (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.
- Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water.
- Maximum Residual Disinfectant Level (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.
- Units are in milligrams per liter (mg/L) unless otherwise noted. Milligrams per liter are equivalent to parts per million (PPM).

2023 Results:

Disinfectant	Unit	MCLG	MCL	Ave 2023 Results	Violations
North ClO ₂ (Chlorine Dioxide for entire facility)	PPM	MRDLG=0.8	MRDL=0.80	0.14	None

By Products	Unit	MCLG	MCL	Highest and Yearly Ave.	Violations
ClO ₂ ⁻ (Chlorite)	PPM	0.8	1.0	0.36 Highest, Ave: 0.04	None
TTHMs	PPB		80	65.4 (Jul Q3), Range: 40-66	None
HAA5s	PPB		60	47 (Apr Q2), Range: 30-47	None
Coliform				Absent every mo.	None

Reporting Violations:

Monthly Coliform	None
Monthly ClO ₂ and ClO ₂ ⁻	None
Yearly THMs and HAA5s	None

PFAS – or per- and polyfluoroalkyl substances Education Statement. No testing was/is required at this point for Keswick, but the Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE) will require larger water distribution systems to test and report in the future as more direction is given.

PFAS – 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. Our water system was not tested for PFAS in 2023. 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. 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: mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx

The 2023 City of Baltimore Water Quality Report can be found and posted also (when it is available) at: publicworks.baltimorecity.gov/waterreport