

2017 Annual Drinking Water Quality Report

Harbour Light Estates

PWSID #MD0220212

In compliance with Safe Drinking Water Act amendments by Congress of 1996 and subsequent Federal and State regulations, Harbour Light Estates is pleased to provide this annual water quality report for calendar year 2016. Harbour Light Estates routinely monitors for contaminants in your drinking water. For more information on the source of your water and the significant potential sources of contamination, contact the Maryland Water Supply Program at the Maryland Department of the Environment at (410) 537-3714.

Is my water safe?

We are very pleased to provide you with this year's Annual Quality Water Report. This report is designed to inform you about the quality water 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 enduring the quality of your water. Last year, your tap water did not meet all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. Local Water vigilantly safeguards its water supplies and once again, we are proud to report that our system has not violated a maximum contaminant level, but received several violations regarding lead and copper sampling and reporting, please see page 2 for details on these violations. Lead and copper violations are not issued end dates per the MDE, even when the system has returned to compliance, as is the case for Harbour Light Estates. Please see "status update" of each violation for more information.

Do I need to take special precautions?

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/Centers for Disease Control (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). 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 (1-800-426-4791).

How do we monitor for contaminants?

Harbour Light Estates 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 1st to December 31st, 2016. 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 is important to remember that the presence of these contaminants does not necessarily pose a health risk.

Why are there contaminants in my drinking water?

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 Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

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 the 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. 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 byproducts 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 that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Educational Statement on Lead

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. Harbour Light Estates 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>.

Educational Statement on Nitrate

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Regulated Contaminants

Inorganic Contaminants

Contaminant, units	MCLG	MCL	Result	Range		Sample Date	Violation	Typical Source	Health Effects
				Low	High				
Nitrate, ppm	10	10	1.2	-	-	2016	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.

Synthetic Organic Contaminants

Contaminant, units	MCLG	MCL	Result	Range		Sample Date	Violation	Typical Source	Health Effects
				Low	High				
Heptachlor epoxide, ppt	0	200	100	-	-	11/20/2014	No	Breakdown of heptachlor, which is a residue of banned pesticide	Some people who drink water containing heptachlor epoxide in excess of the MCL over many years could experience liver damage, and may have an increased risk of getting cancer.

VIOLATIONS:

Lead and Copper Rule (LCR): The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper plumbing materials.

Violation Type	Violation Begin	Violation End	Violation Explanation
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	7/1/2013		We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. Status Update: Five lead and copper samples collected 9/5/2013, no exceedances. Five lead and copper samples collected 7/2/2014, copper exceeded 90 th percentile. Five lead and copper samples collected on 6/25/2016, no exceedances.
FOLLOW-UP OR ROUTINE TAP MONITORING REQUIREMENT (LCR)	7/1/2014		We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. Status Update: Five lead and copper samples collected 7/2/2014, copper exceeded 90 th percentile. Five lead and copper samples collected on 6/25/2016, no exceedances.
INITIAL/FOLLOW-UP/ROUTINE SOWT M/R (LCR)	4/1/2013		We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. Status Update: Five lead and copper samples were collected July 2012 with exceedance of 90 th percentile on copper. Five lead and copper samples collected 9/5/2013, no exceedances. Five lead and copper samples collected 7/2/2014, copper exceeded 90 th percentile. Five lead and copper samples collected on 6/25/2016, no exceedances.
LEAD CONSUMER NOTICE (LCR)	1/1/2013		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. Status Update: Required documentation was submitted and recorded by the MDE on 6/6/2016. Lead and copper violations are not issued end dates per MDE, but we have been assured this issue is resolved per Chris Watling, MDE.
LEAD CONSUMER NOTICE (LCR)	4/1/2014		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. Status Update: Required documentation was submitted and recorded by the MDE on 6/6/2016. Lead and copper violations are not issued end dates per MDE, but we have been assured this issue is resolved per Chris Watling, MDE.
LEAD CONSUMER NOTICE (LCR)	4/1/2015		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. Status Update: Required documentation was submitted and recorded by the MDE on 6/6/2016. Lead and copper violations are not issued end dates per MDE, but we have been assured this issue is resolved per Chris Watling, MDE.
OCCT/SOWT RECOMMENDATION/STUDY (LCR)	4/1/2013		We failed to propose treatment to our regulator in response to results that indicate our water needs treatment to reduce lead and/or copper levels. Status Update: Required documentation was submitted and recorded by the MDE on 6/6/2016. Lead and copper violations are not issued end dates per MDE, but we have been assured this issue is resolved per Chris Watling.

For further clarification please call MDE at 410-537-4492.

Units Description:

NA: Not applicable

ND: Not detected

NR: Not reported

MNR: Monitoring not required, but recommended.

ppm: parts per million, or milligrams per liter (mg/L)

ppb: parts per billion, or micrograms per liter ($\mu\text{g/L}$)

pCi/L: picocuries per liter (a measure of radioactivity)

of monthly positive samples: Number of samples taken monthly that were found to be positive

Important Drinking Water Definitions:

MCLG: Maximum Contaminant Level Goal: 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: Maximum Contaminant Level: 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.

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

For more information contact:

Harbour Light Estates

Tammy Phelps

P.O. Box 594

Mount Airy, MD 21771

Phone: 240-793-6477