

# Annual Drinking Water Quality Report for 2012

Calvert Manor Corporation • Accokeek, Maryland  
PWSID 0160004

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WE'RE PLEASED TO PRESENT THIS YEAR our Drinking Water Quality Report for 2012. The following report is provided annually in compliance with federal regulations. This report outlines the quality of our finished drinking water and what that quality means. Our constant goal is to provide you with a safe and dependable supply of drinking water, and we want you to understand the efforts we make to ensure the quality of your water. Last year, as in years past, your tap water met all EPA and state drinking water health standards. Once again we are proud to report that our system has never exceeded a maximum contaminant level.

## Where Does My Water Come From?

The sources of our drinking water are the groundwater in the Patapsco Aquifer, which our wells tap about 372 feet to 635 feet below the surface. An aquifer is an underground river or reservoir of water, which is tapped by drilling wells and pumping the water to the surface for distribution. The impervious layers of earth between surface sources of contamination and this underground river help protect it. The sands of the aquifer help to purify the water, making it easier for us to chlorinate it before we pump it into your water distribution system. See the map on the Calvert Manor Directory (not attached) for the location of the two wells, marked as "CMC."

## How Do I Get More Information about My Water System?

If you have any questions about this report or concerning your water utility, please contact the president of the Calvert Manor Corporation (CMC), Michael White, at (301) 292-4509 or System Operator Katie Fisher at (301) 292-9499. You may also contact any of the directors listed in this report. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled CMC board meetings. They are held on the second Tuesday of every month beginning at 7:00 p.m. Contact Secretary Katie Fisher at (301) 292-9499 for the location, which changes monthly.

## Why Are There Contaminants in My Drinking Water?

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. 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 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 by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791 or visiting <http://www.epa.gov/safewater>.

## Lead in Drinking Water

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. The Calvert Manor Corporation 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 (800) 426-4791 or at <http://www.epa.gov/safewater/lead>.

## Cryptosporidium and Other Microbiological Contaminants

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 people, 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 micro-biological contaminants are available from the Safe Drinking Water Hotline (800-426-4791). Additional

information is available at the EPA drinking water web site (<http://www.epa.gov/safewater>).

**Definitions**

In this report you may find unfamiliar terms and abbreviations. 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.

*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.

*Action Level (AL)*—The concentration of a contaminant which, if exceeded, triggers treatment or other requirements.

Following is a list of potential drinking water substances that Calvert Manor Corporation was required to test for in 2012 or substances that have been detected (with date of last test).

**RESULTS FROM CALVERT MANOR SYSTEM: CONTAMINANT LEVEL DETECTED**

	<b>Regulated Contaminants</b>	<b>Dates Sampled</b>	<b>Result/Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Source of Contamination</b>
M	Total Coliforms (including fecal coliform and <i>E. coli</i> )	Monthly 2012	0	5.0%	0	Naturally present in the environment as well as cal coliforms and <i>E. coli</i> only come from human and animal fecal waste
IOC	Fluoride*	25 Oct. 2012	1.06 mg/L	4.0 mg/L	4.0 mg/L	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
IOC	Nitrate	4 Dec. 2012	1.0 mg/L	10.0 mg/L	10.0 mg/L	Runoff from fertilizer use; leaching septic tanks, sewage; erosion of natural deposits
IOC	Copper	31 Dec. 2011	0.17 ppm	1.3 ppm (AL)	1.3 ppm	Corrosion of household plumbing systems; erosion of natural deposits
	<b>Unregulated Contaminants</b>	<b>Dates Sampled</b>	<b>Result/Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Source of Contamination</b>
	Sodium	25 Oct. 2012	61.9 mg/L	none	none	Levels in drinking water from most public water systems are unlikely to be a significant contribution to adverse health effects

M = Microorganism/IOC = Inorganic Chemical

\*Calvert Manor Corporation does not add fluoride to its water.

The Maryland Department of the Environment allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. These contaminants include lead, copper, and other metals. It is important to understand that the detection of these substances in the drinking water does not constitute a known threat to public health because, when last tested, they were found only at levels less than the MCL and below the level that EPA currently feels may constitute a health threat. MCLs are set at very stringent levels, and the CMC’s water has proved to be below those levels for the constituents listed above.

The Calvert Manor Corporation is required to monitor its distribution system for coliforms on a monthly basis. In all months tested, the results of the analysis were zero for coliforms and therefore the quality of the water continued to meet the requirements of the Safe Drinking Water Act.

**For More Information about the Calvert Manor Corporation and Your Water**

The Calvert Manor Corporation board comprises up to nine elected volunteer directors. A list of all directors and the positions held appears below. Together with a bookkeeper, a system operator, and a system coordinator, we strive to provide each resident of Calvert Manor high-quality drinking water at a reasonable price. All of us are your neighbors. For questions about this report, information on serving on the board of directors, to attend a regularly scheduled meeting, or other CMC concerns you may call any board member or employee:

Mike White, President ( <i>water system problems</i> ).....	(301) 292-4509
Leonard Koberg, Vice President.....	(301) 203-6904
Ernie Doyle, Treasurer.....	(301) 292-5697
Duncan Whyte, Assistant Treasurer ( <i>stock transfers</i> ).....	(240) 493-7245
Katie Fisher, Secretary /System Coordinator & Operator ( <i>water system problems</i> ).....	(301) 292-9499
Mary Whyte, Assistant Secretary ( <i>billing questions</i> ).....	(240) 493-7245
Annmarie Buckley, Director.....	(301) 292-5557
Derek Nestell, Director.....	(703) 887-9067
Shirley Doyle, Bookkeeper ( <i>billing questions</i> ).....	(301) 292-5697

You may also send e-mail to [calvertmanorcorp@yahoo.com](mailto:calvertmanorcorp@yahoo.com) or letters to:

Calvert Manor Corporation  
102 Captain Brendt Dr.  
Accokeek, MD 20607

*Report revised July 2013*