2009
Annual Drinking Water Quality Report
Du-Mar Estates Water Company MD0080010
Charles County, Maryland

We are pleased to present this years Annual Drinking Water Quality Report. This report is designed to inform you about the quality of the water 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 ensuring that the quality of your water meets all local, State and Federal standards and regulations.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer who are 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 microbiological contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

The source of the drinking water for your system is the Patapsco Aquifer. An aquifer is a sort of underground reservoir or deposit of water that is trapped by drilling wells and pumping the water to the surface for distribution. The earth between (where sources of contamination occur) and this underground aquifer help to purify the water before it actually reaches the aquifer. This makes it easier for us to treat the water supply before we pump it into your water distribution system.

We are pleased to report that the drinking water in your system is safe and meets Federal and State requirements. The following report is provided in compliance with Federal regulations and will be provided annually. This report outlines the quality of our finished drinking water and what that quality means. If you have any questions concerning this report or any aspect of your water utility, please contact Ryland Hock at 301-934-1856

Ryland Hock routinely monitors the Du-Mar Estates community water system for contamination in your drinking water according to Federal and State laws. The table on the following page shows the results of our monitoring for the period of January 1, thru December 31, 2009. 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.

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Definitions

In this report, you will find many terms and abbreviations you might not be familiar with. To help you better understand the terms, we've provided the following definitions:

Non-Detects (ND) – laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter(mg/L) – one part per million corresponds to 1 minute in 2 years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter (ug/L) – one part per billion corresponds to 1 minute in 2,000 years, or a single penny in $10,000,000.

Action level – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) – A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level – The "Maximum allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set close to the MCLGs as feasible using the best 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.

pCi/L – Picocuries per liter – (a measurement of radioactivity).

Detected Regulated Contaminant					
Substance	**Unit**	**MCL**	**MCLG**	**Level detected**	**Likely source of contamination**
Total Coliform Bacteria	Sample	0 positive	0 positive	0 positive	Naturally present in the environment
Nitrate	mg/L	10	10	< 1 mg/L	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Lead - Distribution	ppb	AL = 15	0	.006 mg/L No violation	Corrosion of household plumbing systems, erosion of natural deposits.
Copper - Distribution	ppm	AL = 1.3	1.3	0.16 mg/L No violation	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives

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All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and/or 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 Water Hotline at 1-800-426-4791.

If present, elevated levels of lead can cause serious health problems, especially in pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Dum-Mar Estates Water Co. 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 EPA Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The presence of some contaminants in drinking water is unavoidable, but we make every effort to keep our water at or below the levels specified by law as being safe for consumption. Your water system is operated by a licensed operator who is trained to provide you with the best quality water possible.

All customers are urged to participate in protecting the valuable resource and practice conservation to ensure a sustainable water supply for our community.

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