

Village of Pleasant Hill Ohio

2006

Drinking Water Consumer Confidence Report

The Village of Pleasant Hill Water Dept. is pleased to present you with this water quality report for the year of 2006. We want you to know about the steps we take everyday to ensure that our water supply meets the criteria specified by the State of Ohio and Federal E.P.A. Our goal is to provide you with a safe and dependable supply of drinking water at your tap, everyday.

Our water is supplied from three production wells located to the west of the village on Lauver Rd. Each well has a 30 horsepower submersible pump capable of producing 290 gallons per minute. The water is chlorinated before being pumped throughout the distribution system and stored in the 200,000 gallon storage tank located just east of the Ash Knoll subdivision.

The Ohio EPA recently completed a study of our water supply, to identify potential contaminant sources and provide guidance on protecting our drinking water source. According to the study, the aquifer that supplies water to Pleasant Hill has a high susceptibility to contamination. The determination was based on the following:

- The presence of a relatively thin layer of clay covering the aquifer.
- The presence of potential contaminant sources in our protection area.
- The presence of manmade contaminants in treated water. Samples collected since 1992 have contained nitrate levels above the level of concern. The levels have ranged from Below Detectable Limits to 7.0.

What are sources of contamination to drinking water?

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: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) 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, USEPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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 Safe Drinking Water Hotline (1-800-426-4791).

Who needs 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 infection. 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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

The Ohio EPA requires regular sampling to ensure drinking water safety. Some contaminants are required to be monitored less than once per year, since many of the levels found do not frequently change. Some of our data, though accurate, may be more than a year old.

Contaminant	MCL	MCLG	LEVEL FOUND	RANGE OF SAMPES	Violation	Year	Typical source of contamination
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Microbiological Contaminants

Total Coliform Bacteria	1/month	0	1/month X2months	positive	NO	2006	Naturally present in the Environment.
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Inorganic Contaminants

Barium	2ppm	2ppm	.109ppm	.109ppm	NO	2006	Discharge from drilling waste. Discharge from metal refinery. Erosion of natural deposits.
Copper	A.L. 1.3 PPM	A.L. <1.3 PPM	.142 PPM	.028- .202 PPM	NO	2005	Corrosion of household Plumbing systems. Erosion of natural deposits.
Nitrates	10PPM	10PPM	2.29 PPM	2.29 PPM	NO	2005	Runoff from fertilizer use, Leaching from septic tanks, Erosion of natural deposits.

Definitions of some terms contained within this report.

*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.

*Maximum Contaminant level (MCL): The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

*Parts per Million (ppm) or Milligrams per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.

*Parts per Billion (ppb) or Micrograms per Liter (ug/L) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

WHAT CAN YOU DO?

By implementing appropriate protective measures, we can minimize the risk of future contamination. You can obtain more information about the EPA's Source Water Assessment by calling 676-3241 and requesting a copy.

We welcome your participation in the decisions regarding your water service by attending a Board of Public Affairs meeting!

These meetings are held the last Tuesday of the month at 7:30 p.m. in the Village Meeting Hall @ 200 Walnut St.