

GENERAL INFORMATION

Relating to Drinking Water Contaminants and Health Risks

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 and 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 by-products 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.

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 Kapalua Water Company, Ltd. 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 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 Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

In order to ensure that tap water is safe to drink, EPA 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 (800-426-4791).

IMPORTANT INFORMATION

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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/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).

OPPORTUNITIES

For Public/Consumer Participation

Kapalua Water Company welcomes your input and participation in the decision-making process that affects the quality of the drinking water supplied to you by the Kapalua Resort Water system. Should you desire to provide input or have pertinent comments regarding our system, please contact:

Mr. Frank Rodrigues
Kapalua Water Company, Ltd.
200 Village Road
Lahaina, HI 96761
Phone: (808) 870-1442
fr Rodrigues@aquangeers.com



Kapalua

WATER SYSTEM

Report to the Consumer for Calendar Year 2020

INTRODUCTION

This report is being made available to you pursuant to the requirements of the 1996 Amendments to the Federal Safe Drinking Water Act, which requires this water system provide information to its consumers related to personal health-based decisions regarding their drinking water consumption. The Kapalua Resort Water System services Plantation Estates Subdivision, Honolua Ridge, and Kapalua Resort. It is owned by the Kapalua Water Company, Ltd and operated by Aqua Engineers, Inc.. **This water system did not have a violations of State or Federal drinking water regulations in 2020.**

DEFINITIONS OF TERMS

Used in This Report

Maximum Contaminant Level Goal or 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 of MCL: 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.

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

Maximum Residual Disinfection Level Goal or MRDLG: The level of drinking water disinfection below, which there is no expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

*Maximum Residual Disinfection Level or 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.

WATER SOURCE INFORMATION

The Kapalua Resort Water System is supplied by Kapalua Water Company's Well 1 and Well 2, which are ground water sources that draw water from the Honolua Aquifer at Kapalua, West Maui. Kapalua Water Company chlorinates your drinking water to ensure that your water meets the Safe Drinking Water Regulations of the EPA and the State of Hawaii Department of Health. The source watershed is located mauka of Kapalua in forest and pasture lands, hydrologically upgradient (uphill) of major resort, residential and agricultural activities. Hence, the potential for human land use related activity contaminating your drinking water is minimized.

CONTAMINANTS Detected in Kapalua Resort Water System

This system is required to test for over 80 different drinking water contaminants. The table below lists only those drinking water contaminants that were detected in the water system. Chlorine levels are also shown. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in the table are from testing done January 1-December 31, 2020. The State allows us to monitor for some contaminants less than once per year because the concentration of these contaminants do not change frequently. Some of our data, through representative, may be more than one year old.

7Table of EPA Regulated Contaminants Detected in the Kapalua Resort Water System

MCL=Maximum Contaminant Level ppm=parts per million, or milligrams per liter (mg/l) N/A=Not Applicable
MCLG=Maximum Contaminant Level Goal ppb=parts per billion, or micrograms per liter (ug/l)
MRDL=Maximum Residual Disinfection Levels ND= Not Detected
MRDLG = Maximum Residual Disinfection Level Goal AL = Action Level

Regulated Contaminant	Unit	MCL	MCLG	2020 Highest Detected Contaminant Levels	Range of Detected Contaminant Levels	Likely Source(s) of Contamination	Violation
Chlorine	ppm	MRDL=4.0	4.0	0.47	0.22-0.47	Added to water for disinfection	No
Total Trihalomethanes (TTHM)	ppb	80	N/A	2.2	N/A	By-product of drinking water disinfection	No
Lead	ppb	15	0	ND<5*	ND-ND	Erosion of household plumbing and erosion of natural deposits	No
Copper	ppm	1.3	1.3	ND<0.05*	ND-ND	Erosion of household plumbing and erosion of natural deposits	No

*: It is the 90th Percentile Value. Testing conducted in 2018.