

A Few Definitions

In the table on the inside fold, you may find unfamiliar terms and abbreviations. To help you better understand these terms, we've provided the following definitions:

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

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 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 Residual Disinfectant Level (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.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Level Detected: Results in the Level Detected column for radioactive contaminants, inorganic contaminants, synthetic organic contaminants including pesticides and herbicides, and volatile organic contaminants are the highest average at any of the sampling points or the highest detected level at any sampling point, depending on the sampling frequency.

Not Detected (ND): Indicates that the substance was not found by laboratory analysis.

Parts per billion (ppb) or Micrograms per liter (ug/l): One part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): One part by weight of analyte to 1 million parts by weight of the water sample.

Threshold Odor Number (TON): The greatest dilution of a sample with odor-free water that still yields a just-detectable odor.

Important Information

Annual Drinking Water Quality Report

The Hurlburt Field Bioenvironmental Engineering Office routinely monitors for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on monitoring results for the period of 1 January 2023 to 31 December 2023. Data obtained before 1 January 2023, and presented in this report, is from the most recent testing done in accordance with state laws, rules, and regulations.

In 2023, the Florida Department of Environmental Protection (FDEP) performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are 14 potential sources of contamination identified for this system with low to moderate susceptibility levels. The assessment results are available on the FDEP Source Water Assessment, and Protection Program website at <https://prodapps.dep.state.fl.us/swapp/>.

Lead-Specific Information

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. Hurlburt Field 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 two 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>.

Secondary Contaminants

We constantly monitor for various contaminants in the water supply to meet all regulatory requirements. Our water system was in violation of federal and state water quality standards for the threshold of odor from July 1 through July 31. The levels of odor are shown in the Test Results table. Our system did not receive any complaints and all other samples taken at that time were under the Maximum Contaminant Level (MCL). The odor results for the subsequent sampling event on August 15 were 2 TON, which is below the MCL. No adverse health effects are generally associated with the secondary drinking water contaminants.

Water Contaminants

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 the result of oil and gas production and mining activities.

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.

To ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations, which 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.

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 EPA's Safe Drinking Water Hotline.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 healthcare provider. EPA and Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline.

2023 Annual Drinking Water

Quality Report

Hurlburt Field Florida



We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call any of the numbers listed below.

**Hurlburt Field Public Affairs:
(850) 884-7196
Hurlburt Field Housing Office:
(850) 884-7505
Hurlburt Field Bioenvironmental Engineering:
(850) 881-1822
EPA Safe Drinking Water Hotline:
1-800-426-4791
Centers for Disease Control & Prevention:
1-800-232-4636**

2023 Hurlburt Field Water Quality Table

This Report is for You!

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality of 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 ensuring the quality of your water.



Our water source is acquired from five wells. These wells draw from the Floridian Aquifer. Due to the excellent quality of our aquifer, the only treatment process required is chlorine disinfection to meet Florida Administrative Code standards prior to public water system distribution.

If you have any questions concerning your water or this report, please contact the Bioenvironmental Engineering Environmental Program Manager at 881-1822 or Civil Engineering Utilities, Mr. Mark Bazylak at 884-4602. We encourage our valued customers to be informed about your water quality.

We at Hurlburt Field work around the clock to provide top quality water to our customers. We ask for your support in protecting and conserving our water resources. They are critical to the continued well-being of our community, our way of life, and our children's future.

PATRICK T. DIERIG, Colonel, USAF
Commander, 1st Special Operations Wing

Stage 2 Disinfectants and Disinfection By-Products

Contaminant & Unit of Measurement	Dates of Sampling	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Sources of Contamination
Chlorine (ppm) (Stage 1)	Jan- Dec 23	N	0.81	0.61 – 0.99	MRDLG = 4	MRDL = 4	Water additive used to control microbes.
Haloacetic Acids (HAA5) (ppb)	Aug 23	N	5.7	4.7 – 5.7	N/A	60	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM) (ppb)	Aug 23	N	50.1	28.4 – 50.1	N/A	80	By-product of drinking water disinfection.

Inorganic Contaminants

Contaminant & Unit of Measurement	Dates of Sampling	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Sources of Contamination
Barium (ppm)	Jun 23	N	0.34	0.12 - 0.34	2	2	Discharge of drilling wastes; discharge from metal refineries; of natural deposits.
Fluoride (ppm)	Jun 23	N	0.88	0.74 – 0.88	4	4	Erosion of natural deposits; discharge from fertilizer & aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm.
Sodium (ppm)	Jun 23	N	0.14	0.11 – 0.14	N/A	160	Saltwater intrusion, leaching from soil.

Lead and Copper (Tap Water)

Contaminant & Unit of Measurement	Dates of Sampling	AL Exceeded	90th Percentile Results	No. of Sampling Sites Exceeding the AL	MCLG	AL	Likely Sources of Contamination
Copper (tap water) (ppm)	Jul 23	N	0.27	0 out of 30	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead (tap water) (ppb)	Jul 23	N	6.3	1 out of 30	0	15	Corrosion of household plumbing systems; erosion of natural deposits.

Odor Threshold

Contaminant & Unit of Measurement	Dates of Sampling	MCL Violation Y/N	Highest Result	Range of Results	MCLG	MCL	Likely Sources of Contamination
Odor Threshold (threshold odor number)	Jul 23	Y	16	ND-16	N/A	3	Naturally occurring organics.