

Serving Those Who Serve



2020 Water Quality Report-Eglin Air Force Base

Housing PWS ID#: 1460828

American States Utility Services, Inc.



**Providing the integral services
that empower our nation's military
communities from the ground up.**



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Dedicated to delivering clean water

Every day, people depend on American States Utility Services, Inc. (ASUS) for the water that enhances their quality of life. We operate and maintain water and wastewater systems on military bases across the country, dedicating ourselves to producing drinking water that meets all state and federal standards and continually striving to adopt new methods for delivering the best quality drinking water to the military installations we serve. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education, while continuing to meet the needs of all of our water users.

ASUS is the sole provider of your water service. Our certified operators ensure the safe delivery of all potable water, taking water samples at approved sites to ensure its quality throughout our system. With a deep commitment to customer care, ASUS works diligently to protect every drop of water. As a utility provider, we constantly analyze our systems to determine which areas might need repair, replacement, or even supplementary facilities. ASUS also puts a strong focus on water efficiency, actively providing educational outreach for customers to further encourage better resource management.

We at ASUS are proud to be able to provide our services to the military personnel, civilians, and family members who live and work at Eglin Air Force Base Housing. We're honored to support the role your military installation plays in defending the country, both at home and abroad. We achieve this goal by always putting our fundamental ideals into practice. We pay special attention to the ultimate measure of success: our customer's peace of mind.

In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all our customers. These improvements are sometimes reflected as rate structure adjustments. With our own team's deeply-rooted military background, we have an intimate understanding of what it takes to make an installation thrive, and we take pride in delivering unparalleled care in this regard.

We are pleased to present you with this annual water quality report and thank you for allowing us to serve you and your family. Please remember that we are always available to assist you should you ever have any questions or concerns about your water. For more details, you can view our past and current Water Quality Reports at www.asusinc.com.

Sincerely,

Zig Resiak
Utility Manager
ASUS - Eglin Air Force Base Housing



Susan Miller
Director of Operations
American States Utility Services, Inc.



Important Information about Your Water

Your Drinking Water Source

Our water source is ground water from ten wells that draw from the Floridan Aquifer.

Because of the excellent quality of our water, the only treatments required are chlorine for disinfection purposes and fluoride for dental health purposes.

Source Water Assessment

In 2020, the Florida Department of Environmental Protection 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 4 potential sources of contamination identified for this system with low to moderate susceptibility levels.

The assessment results are available on the FDEP SWAPP website at <http://www.dep.state.fl.us/swapp/SelectCounty.asp> or they can be obtained by visiting 15663 Range Road, Eglin AFB, Florida 32542 or by calling (850) 389-8772

What the EPA Wants You to Know

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as those 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 for infections.

These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to reduce the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

Lead in Home Plumbing

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. ASUS 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 your drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or www.epa.gov/safewater/lead.

Important Information about Your Water

Substances that Could Be in Your 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.

In order to ensure that tap water is safe to drink, the U.S. EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The 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 EPA's Safe Drinking Water Hotline at (800) 426-4791.

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 or 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 byproducts 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 a result of oil and gas production and mining activities.

2020 Water Quality Test Results

Eglin Housing 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 the results of our monitoring for the period of January 1 to December 31, 2020. Data obtained before January 1, 2020, and presented in this report is from the most recent testing done in accordance with the laws, rules, and regulations.

We are pleased to report that our drinking water meets or exceeds all federal and state requirements.

Radioactive Contaminants

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation (Yes or No)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Radium 226 + 228 or combined radium (pCi/L)	May 2020	No	0.5	N/A	0	5	Erosion of natural deposits

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation (Yes or No)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Barium (ppm)	May 2020	No	0.019	0.0073-0.019	2	2	Discharges of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	May 2020	No	12.2	ND-12	100	100	Erosion of natural deposits
Fluoride (ppm)	May 2020	No	1.44	0.9-1.44	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm.
Lead (ppb)	May 2020	No	3.4	ND-3.4	0	15	Erosion of natural deposits
Mercury (ppb)	May 2020	No	0.4	ND-0.4	2	2	Discharge from industrial sites and as a by-product from rain and snow
Selenium (ppb)	May 2020	No	5.3	ND-5.3	50	50	Agricultural runoff, natural deposits and discharge from refineries
Sodium (ppm)	May 2020	No	57	10-57	N/A	160	Salt water intrusion, leaching from soil

Stage 1 and Stage 2 Disinfectants and Disinfection By-Products

Disinfectant of Contaminant and Unit of Measurement	Dates of sampling	MCL or MRDL Violation (Yes or No)	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chlorine (ppm)	Jan. - Dec. 2020	No	0.94	0.68-1.14	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	July 2020	No	12	N/A	N/A	60	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	July 2020	No	6.3	N/A	N/A	80	By-product of drinking water disinfection

Synthetic Organic Contaminants Including Pesticides and Herbicides

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation (Yes or No)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Benzo(a)pyrene (PAH) (ng/L)	April-Oct.2020	No	20	ND-20	0	200	Leaching from linings of water storage tanks and distribution lines
Dibromochloropropane (DBCP) (ng/L)	April-Oct.2020	No	20	ND-20	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapple and orchards
Ethylene Dibromide (ng/L)	April-Oct.2020	No	10	ND-10	0	20	Discharge from petroleum industries
Pentachlorophenol (ppb)	April-Oct. 2020	No	0.04	ND-0.04	0	1	Discharge from wood preserving factories
Polychlorinated Biphenyl (PCB) (ppb)	April-Oct. 2020	No	100	ND-100	0	500	Runoff from landfills; discharge from waste chemicals

Volatile Organic Contaminants

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation (Yes or No)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
1,2,4- Trichlorobenzene (ppb)	May-Oct. 2020	No	0.59	ND-0.89	70	70	Discharge from textile-finishing factories

2020 Water Quality Test Results (Continued)

Lead and Copper (Tap Water)

Contaminants and Unit of Measurement	Dates of sampling	AL Exceeded (Yes or No)	90th Percentile Result	# of Sampling Sites Exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	June - Sept. 2020	No	0.12	0 of 22	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	June - Sept. 2020	No	4.4	0 of 22	0	15	Corrosion of household plumbing systems; erosion of natural deposits

DEFINITIONS

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

MCL (Maximum Contaminant Level): 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.

MCLG (Maximum Contaminant Level Goal): 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.

MRDL (Maximum Residual Disinfectant Level): 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.

MRDLG (Maximum Residual Disinfectant Level Goal): 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.

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

Part per billion (ppb) or Microgram per liter: One part by weight of analyte to one billion parts by weight of the water sample. **Part per million (ppm) or Milligram per liter:** One part by weight of analyte to one million 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.

Picocurie per liter (pCi/l): Measure of radioactivity in water.

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Questions?

We encourage our valued customers to be informed about their water. If you have questions or concerns about decisions affecting your drinking water quality, please contact Amy Sweeney, Environmental Program Administrator for ASUS - Eglin AFB, at (850) 503-2241.