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 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.

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 EPA’s Safe Drinking Water Hotline (1-800-426-4791).

**Water Quality Monitoring**

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. Food and Drug Administration regulations establish limits to contaminants in bottled water, which must provide the same protection for public health.

The National Primary Drinking Water Regulations sets limits for contaminants in drinking water and standards for water treatment that primarily safeguard health. These regulations also require us to monitor your drinking water for specific contaminants on a regular basis.

**Health 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 risks 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 (1-800-426-4791).

**Lead in Drinking Water**

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. Bioenvironmental Engineering at Andersen Air Force Base 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/lead.
WATER QUALITY MONITORING RESULTS

The following data presented in these tables are the results of monitoring for the reporting period of 1 January 2017 — 31 December 2017. Andersen Air Force Base monitors for some contaminants less than once per year because the levels do not change frequently. Therefore, some of the reported water quality data may be more than one year old. Contaminants that are not present on table were below the detection levels specified in 40 CFR 141.151(d).

Detection of contaminants in drinking water does not necessarily indicate that water poses a health risk. If you would like a complete listing of the Andersen AFB Water System test results, or if you have questions or require additional information about this water quality report, please contact the Bioenvironmental Engineering office at (671) 366-7166.

Note 1: The combined radium (total radium-226 and radium-228, pCi/L) MCL and MCLG are 5 and 0 respectively.
Note 2: Although there is no collective MCLG for this group, there are individual MCLGs for some of the individual contaminants. HAA: monochloroacetic acid (70ppb), dichloroacetic acid (zero), trichloroacetic acid (20 ppb)
THM: bromodichloromethane (zero), bromoform (zero), dibromo-chloromethane (60 ppb).
Note 3: The AL is exceeded if the concentration of more than 10 percent of tap water samples collected (the “90th percentile” level) is greater than 1.3 ppm for copper and 15 ppb for lead.

DEFINITIONS:
Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
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 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 Residual Disinfection Level (MRDL): The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contamination.
Maximum Residual Disinfection 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 contamination.

ABBREVIATIONS:
n/a: not applicable
nd: not detected (contaminant levels are below detection capabilities)
ne: not established
ppb: parts per billion or micrograms per liter (µg/L); a unit of measure equivalent to a single penny in $10,000,000
ppm: parts per million or milligrams per liter (mg/L); a unit of measure equivalent to a single penny in $10,000
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Water Quality Reporting

Results of regular monitoring are an indicator of whether or not your drinking water meets health standards.

For the year 2017, the Andersen Air Force Base Water System met all primary drinking water quality standards. We are proud to report that we did not violate any Maximum Contaminant Level or any other water quality standards. All safe drinking water reports, along with supporting laboratory reports were submitted on time as required by the Guam Environmental Protection Agency.

How Can You Report a Water Quality Complaint?

Should you notice that your water is discolored, has a funny taste, or if you have any concerns about your drinking water, we strongly encourage you to contact Bioenvironmental Engineering at (671) 366-7166. Arrangements can be made to have your water sampled and analyzed to ensure that it is safe to drink.

How Can You Obtain Additional Information?

Team Andersen is committed to ensuring the quality of Andersen Air Force Base drinking water to the highest standards possible. Public queries and additional information regarding this report can be obtained by contacting the Andersen Public Affairs Office at (671) 366-4202. This report can be accessed on the Andersen Air Force Base web page by 1 July 2018. Printed copies of this report can be obtained at the base library, or at the Bioenvironmental Engineering Office. For electronic copies, please contact Bioenvironmental Engineering at (671) 366-7166.