



Consumer Confidence Report (CCR)



2021 Water Quality Report Marine Corps Installations Pacific Combined Arms Training Center, Camp Fuji Japan

Introduction

This is an annual report on the quality of tap water delivered to Combined Arms Training Center (CATC), Camp Fuji. The purpose of this report is to provide you, our customers, with general information about the quality of water you drink.

What is a Consumer Confidence Report?

In 1996, Congress amended the Safe Drinking Water Act (SDWA) to require all community water systems in the United States to provide their customers with a brief annual water quality report called a Consumer Confidence Report (CCR). In 2020, the CCR was added to the Japan Environmental Governing Standards (JEGS), making it a requirement for the United States Marine Corps (USMC) to prepare an annual water quality report modeled after the SDWA.

Safe Drinking Water

Drinking water regulations require that all installation water supply systems are sampled and analyzed for a variety of contaminants in drinking water. In 2021, your drinking water met health-based water quality standards contained in the JEGS. CATC Camp Fuji Environmental Section and Navy Medical Readiness Training Detachment Fuji (NMRTD Fuji) personnel are committed to providing safe drinking water to you and our training units. Our routine monitoring program, which follows water quality standards and monitoring requirements set forth in the JEGS, enables us to maintain optimal water quality on CATC Camp Fuji.

Information about Drinking Water Contaminants

All drinking water, including bottled water, may reasonably be expected to contain small amounts of contaminants dissolved in the water. The presence of trace contaminants in the water does not necessarily indicate that the water poses a health risk. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, naturally-occurring radioactive material, and can pick up substances resulting from the presence of animals or human activity. Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic contaminants, such as salts and metals, can be naturally-occurring or result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. Pesticides and herbicides may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses. Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm-water runoff, and septic systems. Radioactive contaminants 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, the Environmental Protection Agency (EPA) prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. In Japan, the Government of Japan (GOJ) and the US Forces, Japan, also regulate the quality of

drinking water. Our monitoring program allows us to avoid potential health impacts that may occur if we drink water containing contaminants over long periods of time above the standards set forth in the JEGS.

Do I need to take Special Precautions?

Our monitoring program identifies contaminants in drinking water and allows us to avoid potential health impacts that might occur if we consume water containing contaminants over long periods of time above the standards set forth in the JEGS. However, some people may be more vulnerable to contaminants than the general population. For example, immuno-compromised individuals such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, persons with human immunodeficiency virus, acquired immunodeficiency syndrome or other immune system disorders, the elderly, and infants can be particularly at risk from contaminants. These individuals should seek medical advice about drinking water from their health care providers if they have questions.

CATC Camp Fuji Water System Information

The CATC Camp Fuji drinking water system is operated and maintained by the CATC Camp Fuji Facilities Maintenance Section. The water supply to CATC Camp Fuji is from Gotemba-City's Water tank, maintained by Japanese Ground Self-Defense Force Water Section and its source are considered as groundwater under the direct influence of surface water.

Monitoring of Your Drinking Water

CATC Camp Fuji Environmental Section, NMRTD Fuji and Facilities Maintenance Section, are committed to providing safe drinking water to you. We use only EPA and GOJ approved laboratory methods to analyze your drinking water. Trained personnel collect water samples from the various location on the water distribution system and residential taps. Samples are then sent to an accredited laboratory where a full spectrum of water quality analyses are performed. The NMRTD Fuji and contracted personnel collected required routine monitoring samples in Calendar Year 2021, none of which were at a level higher than the JEGS Maximum Contaminant Level (MCL). Results from these sampling are located on the next page.

For More Information Contact:



CATC Camp Fuji, Environmental Section
Water Program Manager
OBA Koji
DSN 315-224-8402

CY 2021 Water Quality Table

CATC Camp Fuji

Inorganic Contaminants ¹	Violation? Yes/No	Units	Highest Level Detected	MCL	AL	Likely Source of Contamination
Sodium	No	mg/L	5	N/A ²	N/A	Erosion of natural deposits Runoff from fertilizer use; leaching septic tanks/sewage; erosion of natural deposits
Barium	No	mg/L	0.002	2.0		
Nitrate	No	mg/L	0.51	10		
Total Nitrate/Nitrite	No	mg/L	0.51	10		
Microbial Contaminants	Violation? Yes/No	Units	Highest Level Detected	MCL	AL	Likely Source of Contamination
Total Coliform Bacteria ³	No	N/A	N/A	>1 positive sample per month, or any repeat sample is positive	N/A	Naturally present in the environment
Volatile Organic Compounds ⁴	Violation? Yes/No	Units	Highest Level Detected	MCL	AL	Likely Source of Contamination
No exceedances in CY2021						
Synthetic Organic Contaminants ⁵	Violation? Yes/No	Units	Highest Level Detected	MCL	AL	Likely Source of Contamination
N/A						
Radionuclides ⁶	Violation? Yes/No	Units	Highest Level Detected	MCL	AL	Likely Source of Contamination
Gross Alpha	No	pCi/L	3.46 ± 1.07	15	N/A	Erosion of natural deposits
Radium-226 and Radium-228 (combined)	No	pCi/L	0.293 ± 0.184	5	N/A	Erosion of natural deposits
Beta Particle and Photon Radioactivity	No	mrem/year	0.301 ± 0.223	4	N/A	Decay of natural and manmade deposits
Residual Disinfectants	Violation? Yes/No	Units	Highest RAA	MRDL	AL	Likely Source of Contamination
Free Chlorine	No	mg/L	0.83	4.0	N/A	Water additive use to control microbes
Disinfectant/Disinfection Byproducts	Violation? Yes/No	Units	Highest LRAA	MCL ⁷	AL	Likely Source of Contamination
Total Trihalomethanes	No	mg/L	0.007	0.080	N/A	By-products of drinking water chlorination
Haloacetic acids (HAA5)	No	mg/L	0.007	0.060		
Lead and Copper	Violation? Yes/No	Units	90 % Pb/Cu Level (mg/L)	Sites Exceeding AL / No. of Sites	AL ⁸	Likely Source of Contamination
Lead	No	mg/L	<0.005	0 / 10	0.015	Corrosion from plumbing systems
Copper	No	mg/L	0.078	0 / 10	1.3	
PFAS ⁹	Violation? Yes/No	Units	Highest Level Detected	EPA HA	AL	Likely Source of Contamination
PFOA	No	ng/L	2.1	70	N/A	Industrial runoff and ground water contamination

Abbreviations Used:

AL: action level
 CY: calendar year
 MCL: maximum contaminant level
 MRDL: maximum residual disinfectant level
 LRAA: locational running annual average
 RAA: running annual average
 mg/L: milligrams per liter
 ng/L: nanograms per liter
 pCi/L: picocuries per liter
 µg/L: micrograms per liter
 mrem: millirem, 1 mrem = 0.001 rem
 N/A: not applicable
 PFAS: Per- and polyfluoroalkyl substances
 PFOS: Perfluorooctanesulfonic acid
 PFOA: Perfluorooctanoic acid

Definitions Used:

MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water.
 MRDL: Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water.
 AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow
 HA: Health Advisory: Non-enforceable and non-regulatory and provide technical information to states agencies and other public health officials on health effects, analytical methodologies, and treatment technologies associated with drinking water contamination.

Notes:

- 12 other Inorganic Contaminants were monitored in CY21, but results were non-detectable.
- No MCL established for Sodium. Monitoring is required so that levels can be made available upon request.
- All test results are TC Negative
- 21 Volatile Organic Compounds (VOC) were monitored in CY21, but results were non-detectable.
- Next sampling in 3rd QTR CY2022
- Uranium was monitored in CY21, but result was non-detectable.
- The MCL for Total Trihalomethanes and Haloacetic Acids is based on a locational running annual average of quarterly samples.
- The AL for Lead and Copper is based on a 90th percentile value – i.e., no more than 10% of all sampled taps.
- PFOS was monitored in CY21, but result was non-detectable. PFAS monitoring will be continued in 1st and 2nd QTR CY2022.

Frequently Asked Questions

Where is our drinking water come from?

The drinking water that is supplied to you from either a surface water or ground water source. Surface water collects in streams, rivers, lakes, and reservoirs. Ground water is water located below the ground where it collects in pores and spaces within rocks and in underground aquifers. We get ground water by drilling wells and pumping it to the surface.

Water travels to your tap from a surface water or ground water source through your local water utility or through an individual water system.

Majority of our drinking water is from Mount Fuji's underground spring water, approximately 1,000m above sea level. This underground stream goes into the off-base water reservoir, and feeds to on-base concrete water tank (maximum 1000 toms / 264,000 gallons). And to both upper and lower CATC Camp Fuji's water taps. Currently, project to upgrade water line is ongoing, with larger water tank and extend water lines to entire CATC Camp Fuji.

How do germs and chemicals get into my drinking water?

There can be many sources of contamination of our water systems. The most common sources of contaminants include:

- Naturally occurring chemicals and minerals (e.g., arsenic, radon, uranium)
- Local land use practices (e.g., fertilizers, pesticides, livestock, concentrated animal feeding operations)
- Manufacturing processes
- Sewer overflows
- Malfunctioning wastewater treatment systems (e.g., nearby septic systems)

Environmental Section, NMRTD Fuji and Facilities Maintenance Section make sure that water meets certain standards such as JEGS, so you can be sure that high levels of contaminants are not in our water.

What is a Boil Water Notice?

Any time a drop in pressure occurs from a water main break or system maintenance, the Navy Medical Readiness Training Detachment Fuji (NMRTD Fuji) will issue a Boil Water Notice and immediate sampling requirements go into effect. Boil Water Notices in these cases are precautionary and do NOT necessarily mean that contamination has been detected or is suspected. In other cases, if total coliform bacteria are detected as part of our routine sampling program, a Boil Water Notice will also go into effect as a precaution while corrective measures are taken. In this case, resampling continues until the corrective measures are completed.

How do I filter water at my office / room if I am concerned about water quality?

Different water filters have different functions. Some can make your water taste better, while others can remove harmful chemicals or germs. Visit CDC's filter page to learn more about applicable water filters. <https://www.cdc.gov/healthywater/drinking/home-water-treatment/water-filters.html>

What can I do to improve the quality of my drinking water?

Running cold water tap for 30 seconds prior to use helps to flush out small amounts of metals that may leach into water that has been sitting in metal pipes overnight. Water used for consumption should always come from the cold water tap. Hot water has more potential to leach metals into the water.

How will I know if my water is not safe to drink?

Water supplier must notify you if your water does not meet standards or if there is a waterborne disease emergency. The notice will describe any precautions you need to take, such as boil water notice.

I don't like the taste/smell/appearance of my tap water? What's wrong with it?

Even when water meets standards, you may still object to its taste, smell, or appearance. Taste, smell and appearance are also known as aesthetic characteristics and do not pose adverse health effects. Common complaints about water aesthetics include: temporary cloudiness (typically caused by air bubbles) or chlorine taste (which can be improved by letting the water stand exposed to the air).

Does the water system have a lead problem?

The Japan Environmental Governing Standards (JEGS) states 90% of samples must be below the action level. The water system met that criterion in 2021. The water system will continue to be sampled for lead. 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 building plumbing. 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 the water for drinking or cooking.

Is a Japanese translation of the CCR available?

All sections of the CCR are written in English. Please contact the Environmental Section at 224-8402 for Japanese translation.

CCRの全てが英文の文書です。日本語訳希望者は環境課までご連絡下さい。基地内：224-8402 基地外から：0550-89-6102, Ext: 224-8402.

Who should I contact if my water has a funny smell, taste, or appearance?

A change in your water's taste, color, or smell is not necessarily a health concern. However, sometimes a change can be a sign of problems. If you notice a change in your water, please contact to Environmental Section.

Where can I go for additional information?

This CCR will be posted on the CATC Camp Fuji web page at <https://www.mcipac.marines.mil/News/Consumer-Confidence-Reports/2020-Consumer-Confidence-Reports/>
Go to the News tab at the top of the MCIPAC webpage.

It will also posted on CATC Camp Fuji's Sharepoint page. https://usmc.sharepoint-mil.us/sites/mcipac_fuji/Environmental/
Click "Water" Colum and select "Consumer Confidence Reports."



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