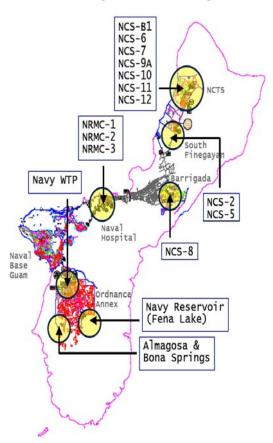
ment at (671) 333-1321. Additionally, Guam EPA Safe Drinking Water Program may be reached at (671) 300-4796.

How Can You Report a Water Quality **Complaint?**

Should you notice that your water is discolored, or if you have any concerns about your drinking water. we strongly encourage you to call our Service Support Center Trouble Desk at (671) 333-2011. Arrangements can be made to have your water sampled and analyzed to ensure that it is safe to drink.

U.S. Navy Water System



Engineering Command Marianas Utilities Depart-Water System, please contact the Naval Facilities to this report. For information about the U.S. Navy cine at (671) 344-9787 for health concerns related Please contact Naval Hospital Preventative Medi-

Information? How Can You Obtain Additional

www.epa.gov/safewater/lead.

Safe Drinking Water Hotline or at http:// take to minimize exposure is available from the drinking water, testing methods, and steps you can have your water tested. Information on lead in cerned about lead in your water, you may wish to naing water for drinking or cooking. If you are conflushing your tap for 30 seconds to 2 minutes before you can minimize the potential for lead exposure by When your water has been sitting for several hours, variety of materials used in plumbing components. high quality drinking water, but cannot control the Mavy Water System is responsible for providing with service lines and home plumbing. The U.S. marily from materials and components associated and young children. Lead in drinking water is prihealth problems, especially for pregnant women If present, elevated levels of lead can cause serious

Drinking Water Hotline at 1-800-426-4791. microbial contaminants are available from the Safe en the risk of infection by Cryptosporidium and other EPA/CDC guidelines on appropriate means to lessdrinking water from their health care providers. fections. These people should seek advice about derly and infants can be particularly at risk from in-AIDS or other immune system disorders, some elhave undergone organ transplants, people with HIV/ barieurs nudergoing chemotherapy, persons who Immuno-compromised persons such as cancer nants in drinking water than the general population. Some people may be more vulnerable to contami-

Health Precautions

Primary Drinking Water Regulations. reporting requirements as set forth by the National In 2016, our system satisfied all monitoring and

Monitoring, Reporting and Violations

your drinking water meets health standards. lar monitoring are an indicator of whether or not citic contaminants on a regular basis. Results of regu-We are required to monitor your drinking water for spe-

els (MCL) in 2016. tem met all primary water Maximum Contaminant Levdrinking water samples from the U.S. Navy Water Sysfor water treatment that primarily safeguard health. All limits for contaminants in drinking water and standards The Mational Primary Drinking Water Regulations sets

brovide the same protection for public health. lish limits for contaminants in bottled water that must tems. Food and Drug Administration regulations estabcontaminants in water provided by public water sys-LPA created regulations that limit the amount of certain In order to ensure that tap water is safe to drink, the

Drinking Water Regulations

Hotline at 1-800-426-4791 tal Protection Agency's (EPA) Safe Drinking Water health effects can be obtained by calling Environmen-More information about contaminants and potential necessarily indicate that the water poses a health risk. taminants. The presence of contaminants does not bly be expected to contain small amounts of some con-Drinking water, including bottled water, may reasona-

urban storm water runoff and septic systems. production, and can also come from gas stations, products of industrial processes and petroleum ic and volatile organic chemicals, which are by-Organic chemical contaminants, including synthet-

and mining activities.

occurring or be the result of oil and gas production Radioactive contaminants, which can be naturally

water runoff, and residential uses. variety of sources such as agriculture, urban storm Pesticides and herbicides, which may come from a

.gnimset no ,gninim wastewater discharges, oil and gas production, ban storm water runoff, industrial or domestic which can be naturally occurring or result from ur-Inorganic contaminants, such as salts and metals,

tions and wildlife. plants, septic systems, agricultural livestock operateria, which may come from sewage treatment Microbial contaminants, such as viruses and bac-

DEPARTMENT OF THE NAVY U.S. Naval Base Guam Navy Housing Office PSC 455, Box 50 FPO AP 96540-0051 2016 U. S. NAVY WATER SYSTEM

WATER QUALITY REPORT





NAVAL FACILITIES ENGINEERING COMMAND MARIANAS PSC 455 Box 195 FPO AP 96540-2937

> DZSP21, LLC P.O. Box GH Hagatña, Guam 96932

bresent in untreated water include: or from human activity. Contaminants that may be substances resulting from the presence of animals solves naturally-occurring minerals and can pick up the surface of the land or through the ground, it disreservoirs, springs and wells. As water travels over bottled water) include rivers, lakes, streams, ponds, The sources of drinking water (both tap water and

Why are contaminants found in my water?

and supplementing the surface water-fed areas. augment our water system supplying these areas Finegayan, Barrigada, and Naval Hospital further surrounding areas. Groundwater wells at NCTS, Plant prior to distribution to Naval Base Guam and and is processed at the Navy Water Treatment plemented by Almagosa Springs and Bona Springs, ter System is the Navy (Fena) Reservoir. It is sup-The primary source of water for the U.S. Navy Wa-

DZSP21, LLC. provided by our Base Operations Support contractor operates the U.S. Navy Water System with support Naval Facilities Engineering Command Marianas

The U.S. Navy Water System

in a public place or distributing copies by hand or businesses). You can do this by posting this notice people in apartments, nursing homes, schools or not have received this notice directly (for example ple who drink this water, especially those who may Please share this information with all the other peo-

and their associated health effects. activities that may contaminate the water supply, tween the contaminants found in drinking water, you, our customer, understand the relationship bewater quality of our system. This report will help U.S. Mayy Water Quality Data" table detailing the 31, 2016. Included as part of this report is the "2016 System during the period of January 1 to December quality of the water supplied by the U.S. Navy Water This annual report contains information about the

ТЯОЧЭЯ ҮТІЈАПО ЯЭТАМ 2016 US NAVY WATER SYSTEM

2016 U.S. Navy Water Quality Data

The table below presents the 2016 water quality monitoring results of each detected contaminant in comparison with the established drinking water standards. The table also summarizes the monitoring times, the range of detections, whether or not the drinking water standards were met, the major sources of the contaminant, and the locations detected. Monitoring for some contaminants may occur at interval greater than once per year. This is allowed because the concentrations of these contaminants do not change frequently. Some data, though representative, are more than a year old.

DEFINITIONS:

- 1. Maximum Contaminant Level (MCL) The highest level of a contaminant allowed in drinking water; MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- 2. 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.
- 3. Maximum Residual Disinfectant Level (MRDL) The level of a disinfectant that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects.
- 4. Maximum Residual Disinfectant Level Goal (MRDLG) The maximum level of a disinfectant added for water treatment at which no known or anticipated adverse health effect will occur; MRDLGs allow for a margin of safety.
- 5. Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.

ABBREVIATIONS:

ARA - annual running average

ppb - parts per billion (or micrograms per liter) ppm - parts per million (or milligrams per liter) NTU - Nephelometric Turbidity Unit

IOC - Inorganic Compound SOC - Synthetic Organic Compound n/a - not applicable

nd - not detected (above laboratory detection limit)

CONTAMINANT (Units)	Sample	MCLG	MCL	Your		Range	Violation	Major Sources of Contaminant	Locations Detected
	Year	Melo	MeE	Sample	Low	High	VIOLUTION	Major Sources of Contaminant	Locations Detected
ynthetic Organic Compounds					www				Table 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
Pickram (ppb)	2016	500	500	0.42	0.35	0.42	No	Herbicide runoff	Well NCS-8 (Radio Barrigada)
norganic Compounds								Ŷ.	The state of the s
Selenium (ppb)	2/9/2016	50	50	0.61	nd	0.61	No	Discharge from petroleum; erosion of natural deposits; discharge from mines	Wells NCS-B1, NCS-10
Fluoride (ppm)	2/9/2016	4	4	0.21	nd	0.21	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	Navy WTP
Nitrate (ppm)	4/12/2016	10	10	2.16	0.25	2.16	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	Navy WTP, Wells NCS-B1, NCS-6, NCS- NCS-9A, NCS-10, NCS-11, NCS-12, NRM 1, NRMC-2
isinfectant and Disinfection B	yproduct (D	BPs)							
HAA5 [Five Haloacetic Acids] (ppb)	2016	n/a Note 1	60	22.0	10.0	22.0	No	Byproduct of drinking water chlorination	Distribution system
TTHMs [Total Trihalomethanes] (ppb)	2016	n/a Note I	80	43.0	23.4	43.0	No	Bypounce of Glinking Water Chiminaton	
Chlorine (ppm)	2016	4 (MRDLG)	4 (MRDL)	3.0	nd	3.0	No	Water additive used to control microbes	Distribution system
Control of DBP Precursors [Total Organic Carbon, TOC]	2016	n/a	TT≥1.0 Note 2	2.6	1.8	2.6	No	Naturally present in the environment	Navy WTP
pecial Monitoring for Sodium		1						1	1
Sodium (ppm)	2/09/2016	n/a	n/a	45.5	12.0	45.5	No	Salt water intrusion from aquifer/salt water interface; sodium hydroxide reaction for pH control in water treatment	Navy WTP, Wells NCS-B1, NCS-6, NCS- NCS-9A, NCS-16, NCS-11, NCS-12, NRM 1, NRMC-2
Radionuclides								j=	
Gross Alpha Activity (pCi/L)	2014	0	15	5.3	4.0	5.3	No	Erosion of natural deposits.	Well NCS-8 (Radio Barrigada)
CONTAMINANTS (Units)	Sample Year	AL	MCLG	YOUR WATER		r of Samples eding AL	Violation	Major Source of Contamination	Location Detected
ead and Copper								1	
Copper (ppm)	2015	1.3 Note 3	1	0.269	None		No	Corrosion of household plumbing system, erosion of natural deposits	Distribution system
Lead (ppb)	2015	15 Note 3	0	nd	None		No	Corrosion of household plumbing system, erosion of natural deposits	Distribution system.
CONTAMINANT (Units)	Sample Date	MCLG	MCL		Highest Monthly Percentage Total Coliform Positive Samples			Major Sources of Contaminant	Locations Detected
Aicrobiological Contaminants	_								
Total Coliform [TC] (% positive per month)	2016	0	5%		2.1%		No	Naturally present in the environment	NWTP Clearwell
Fecal Coliform [FC] (or E.coli)	2016	0	0 Note 4	o			No	Human and animal fecal waste	
CONTAMINANT (Units)	Sample	MCLG		CL	Your Water		Violation	Major Sources of Contaminant	Locations Detected
urbidity as an Indicator of Filtr	Date ation Perform	rmance							
Turbidity (NTU)	2016	n/a	for 95% o <i>No</i>	.3 NTU of samples	100%		No	Soil runoff	Navy WTP
	8/30/2016			TT = 1 NTU <i>Note</i> 6 0.170		0.170	No		
CONTAMINANTS (Units)	Sample Date	MCLG	3 8 3				l	Major Sources of Contaminant	Locations Detected
			TT≤0.05% No						
Acrylamide			detro (0.05P/	www	No			

NOTES:

- Note 1: Although there is no collective MCLG for these contaminants, individual MCLGs for some of the contaminants do exist. HAAs: Monochloroacetic acid (70 ppb), Dichloroacetic acid (zero), and
 - Trichloroacetic acid (20 ppb). Bromoacetic acid and Dibromoacetic acid do not have MCLGs. THM: Bromodichloromethane (zero), Bromoform (zero), Chloroform (70 ppb), Dibromochloromethane (60 ppb).
- Note 2: TOC results are calculated monthly, as the % removal ratio 12-month ARA. The value must be >1.0
- Note 3: The AL is exceeded if the concentration of more than 10 percent of tap water sample collected (the "90th percentile" level) is greater than 1.3 ppm for copper and 15 ppb for lead.
- Note 4: MCL = A routine TC positive sample followed by a TC negative repeat . (A routine TC positive sample followed by a TC negative repeat sample is a violation of the MCL).
- Note 5: TT = At least 95% of monthly filtered water samples must be <0.3 NTU, measured every four hours. Note 6: TT = No filtered water sample should exceed 1 NTU.
- Note 7: The combination (or product) of dose and monomer level of acrylamide should never exceed 0.05% dosed at 1 ppm (or equivalent).