

# **DEPARTMENT OF THE NAVY**

NAVAL FACILITIES ENGINEERING COMMAND, HAWAII 400 MARSHALL ROAD JBPHH, HAWAII 96860-3139

> 5090 Ser EV1/00355 June 19, 2019

Ms. Molly Koerperich Community Director Ohana Military Communities P.O. Box 63041 Kaneohe, HI 96863

Dear Ms. Koerperich:

SUBJECT: 2019 DRINKING WATER CONSUMER CONFIDENCE REPORT

In September 1998, the U.S. Environmental Protection Agency established the Consumer Confidence Report (CCR) Rule requiring owners of community water systems to deliver an annual water quality report to their customers by July 1st of each year.

In order to reach all customers, we request your assistance to disseminate the report to housing tenants in your area of responsibility. Digital copies of the water quality report for the Joint Base Pearl Harbor-Hickam (JBPHH) Water System, which supplies the drinking water to the Camp Smith and Manana housing areas, are now available online. This notice of availability should be posted with a copy of the water quality report in a conspicuous location(s) for all occupants to view.

Electronic versions of the CCRs are posted on our following water quality web pages:

Navy Region Hawaii:

https://www.cnic.navy.mil/regions/cnrh/om/environmental/water\_quality\_information.html

NAVFAC Hawaii:

https://www.navfac.navy.mil/navfac\_worldwide/pacific/fecs/hawaii/about\_us/hawaii\_documents/Reports/2 019 water quality reports.html

A direct link to the 2019 JBPHH Water System CCR is:

 $https://www.cnic.navy.mil/content/dam/cnic/cnrh/pdfs/om/water\_quality\_reports/2019\_JBPHH\_WQRpt\_Final-June 2019.pdf$ 

Should you have any questions, or would like to request hard copies of the 2019 Navy Water Quality Report, please call the Naval Facilities Engineering Command, Hawaii, Public Affairs Office at (808) 471-7300.

Sincerely,

Captain, CEC, U.S. Navy

Commanding Officer

The water sources serving this address are:

Source Name	Origin of Water	Treatment	Region
a) Kaluanui Wells	Groundwater	Chlorination	2
b) Maakua Well	Groundwater	Chlorination	2
c) Punaluu Wells II	Groundwater	Chlorination	2 2 2 2
d) Punaluu Wells III	Groundwater	Chlorination	2
e) Waihee Tunnel	Groundwater	Chlorination	2

#### Source Water Monitoring

The substances detected in these sources are shown below. If a substance is not shown then it was not detected.

## Regulated Contaminants (2)

	Sample				Highest	Range		st Range		MCL	MCLG	Found in
Contaminant	Year	Unit	Average	Minimum	Maximum	(Allowed)	(Goal)	Sources				
Barium Chromium Nitrate	2017 2017 2018	ppm ppb ppm	0.004 2.000 0.200	0.002 1.300 0.160	0.004 2.200 0.200	2.000 100.000 10.000	2.000 100.000 10.000	b,c,d,e b,c,d,e a,b,c,e				

Definitions:

NQ

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.

GAC Granular Activated Carbon Filtration

**Health Advisory** An estimate of acceptable drinking water levels for a chemical substance based on health effects information.

Health advisory is not a legally enforceable standard.

CFU/100ml Colony forming units per 100 milliliter mrem/yr Millirems Per Year (A Measure of Radiation) Picocuries Per Liter (A Measure of Radioactivity) pCi/L ppb Parts Per Billion or Micrograms Per Liter" Parts Per Million or Milligrams Per Liter ppm ppt Parts Per Trillion or Nanograms Per Liter

Not Quantifiable (< means "less than") NYA Not Yet Available N/A Not Applicable ND Not Detected

EPA considers 50 pCi/L to be the level of concern for beta particles

(1) Analysis by the State of Hawaii Department of Health.

Analysis by the Honolulu Board Of Water Supply. Questions, call 808-748-5370.

**LŔAA** Locational running annual average is the average of sample analytical results for samples taken at a particular

monitoring location during the previous four calendar quarters.

MRDL Maximum residual disinfectant level: The highest level of a disinfectant allowed in drinking water. MRDLG Maximum residual disinfectant level goal: The level of a drinking water disinfectant below which there is no

known or expected risk to health.

Unregulated Contaminants (Do not have designated maximum limits but require monitoring)

	Tested	Sample		Highest Range		Range		
Contaminant	Ву	Year	Unit	Average	Minimum	Maximum	Advisory	Found in Sources
Chlorate Chloride Chromium, Hexavalent Sodium Strontium Sulfate Vanadium	(2) (2) (2) (2) (2) (2) (2)	2017 2018 2017 2017 2017 2018 2017	ppb ppm ppb ppm ppb ppm ppb	42.000 160.000 1.900 36.000 210.000 17.000 14.000	38.000 15.000 1.200 13.000 51.000 2.500 7.000	42.000 160.000 1.900 36.000 210.000 17.000 14.000	210.000 250 ** 13.000 60.000 4000.000 250 ** 21.000	b,d,e All Sources b,c,d,e b,c,d,e b,c,d,e All Sources b,c,d,e

<sup>\*\*</sup> Secondary Maximum Contaminant Levels (SMCLs) are standards established as guidelines to assist public water systems in managing the aesthetic quality (taste, odor and color) of drinking water. EPA does not enforce SMCLs.

## **Distribution System Monitoring**

Disinfection By-Products (2)

System Name	Contaminant	Unit	Min	Max	Highest LRAA	MCL (Allowed)	MCLG (Goal)
Honolulu-Windward-Pearl Harbor	Total Trihalomethanes Haloacetic Acids (HAA5)	ppb ppb	0.00 0.00	11.00 0.00	6.70 0.00	80 60	None None
	Contaminant	Unit	Min	Max	Average	MCL (Allowed)	MCLG (Goal)
	Haloacetic Acids (HAA6BR) Haloacetic Acids (HAA9)	ppb ppb	0.00 0.00	1.50 1.50	0.82 0.82	NYA NYA	NYA NYA

**Microbial Contaminants (2)** 

System Name	Contaminant	Number of positive E. coli samples found	Violation (Yes/No)	Number of assessments required to perform	Major sources in drinking water
Honolulu-Windward-Pearl Harbor	E. Coli	0	No	0	Human and animal fecal waste

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

#### **Residual Chlorine**

System Name	Sample Year	Unit	Lowest Monthly Average	Highest Monthly Average	Running Annual Average	MRDL	MRDLG
Honolulu-Windward-Pearl Harbor	2018	ppm	0.28	0.33	0.3	4	4

## Lead/Copper Testing (2)

Contaminant	Sample Year	Unit	90th Percentile Reading	Action Level	# Samples Above Action Level
Copper	2018	ppm	0.029	1.300	0
Lead	2018	ppb	<1.000	15.000	

No violations found for calendar year 2018