

# ...Water, Our Most Precious Resource...

You may also access your 2020 Kukuihaele Water Quality Report online at:

<https://www.hawaiidws.org/CCRKukuihaele2020.pdf>

## Where does my water come from?

The normal source of water for Kukuihaele Water System is Kapulena Well, which is a groundwater source. The source(s) of supply may change depending on the supply and demand.

## Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.



- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Shutting off water while brushing your teeth, washing your hair, and shaving could save up to 500 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.

- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!

For more information,  
visit us at [www.hawaiidws.org](http://www.hawaiidws.org)  
& follow the conservation links  
or visit [www.epa.gov/watersense](http://www.epa.gov/watersense)

## Source Water Assessment Program

In 2004, the preliminary source water assessment report was released. The purpose of the source water assessment report is to enable the public and decision-makers to make well-founded decisions for the protection and preservation of our drinking water. The source water assessment report identifies the potential contaminating activities for each source of water.

In the report, Kukuihaele Water System sources are potentially vulnerable to contaminants associated with the following activities: sugarcane, residential parcel, and roads. Atrazine has been detected in this system which is attributed to runoff from herbicide used on row crops. For more information, please contact Kawika Uye-hara, P.E., at 961-8670.

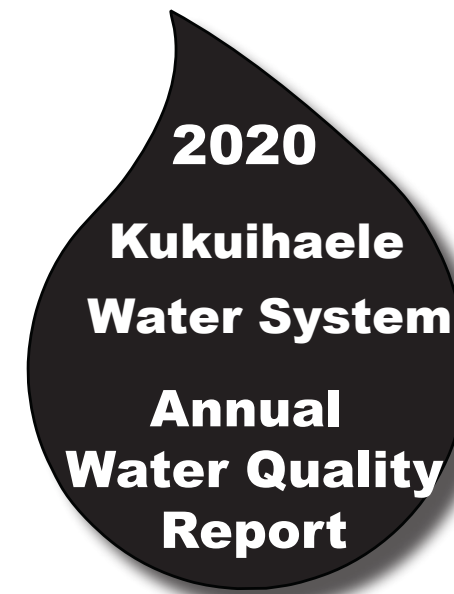
## How can I get involved?

The Water Board meets the fourth Tuesday of every month. Call for the time and location of the meeting.

### You Can Contact Us at the Following Numbers:

Administration/Finance/General ..... (808) 961-8050  
Billing/Customer Service ..... (808) 961-8060  
Engineering ..... (808) 961-8070  
Emergencies & Field Operations ..... (808) 961-8790  
Water Quality ..... (808) 961-8670

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COUNTY OF HAWAI'I



Department of  
Water Supply

# 2020 Kukuihaele System Water Quality Data Tables

The table below lists the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

Regulated Contaminants								
Kukuihaele Water System								
Contaminants (units)	MCL	MCLG	AL	Level Found	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
<b>Radioactive Contaminants</b>								
Beta/photon emitters (pCi/L)	50	0	n/a	2.0	ND - 4.0	2019	No	Decay of natural and manmade products. The EPA considers 50 pCi/L to be the level of concern for Beta particles. The MCL for Beta particles is 4 mrem/year.
<b>Inorganic Contaminants</b>								
Nitrate (ppm)	10	10	n/a	0.45	none	2020	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
<b>Disinfection By-Products</b>								
Total Trihalomethanes (TTHMs) (ppb)	80	n/a	n/a	4.3	none	2020	No	Byproduct of drinking water disinfection.
Total Trihalomethanes or "TTHM" means the sum of the concentration of the trihalomethane compounds [trichloromethane (chloroform), dibromochloromethane, bromodichloromethane, and tribromomethane (bromoform)].								

## Key definitions of terms used in this report

•**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.

•**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.

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

•**ppm** = Parts per million. One ppm corresponds to a single penny in \$10,000 or about one minute in two years.

•**ppb** = Parts per billion. One ppb corresponds to a single penny in \$10,000,000 or about one minute in two thousand years.

•**pCi/l** = Picocuries per liter.

•**ND** = Not Detected: If a contaminant is not measured at or above its minimum detection limit, it is reported as Not Detected - detection limits are available upon request.

•**n/a** = not applicable

Lead and Copper Rule Compliance							
Kukuihaele Water System							
Contaminant (units)	AL	MCLG	Level Found	# of Sites > AL	Sample Date	Violation	Typical Source of Contaminant
Copper (ppm)	1.3	1.3	<0.05	0/8	2018	No	Corrosion of household plumbing systems; erosion of natural deposits.
The 90th percentile value of copper is reported as the level found.							

Sodium (Not Regulated by State or Federal Government)							
Kukuihaele Water System							
Contaminants (units)	MCL	MCLG	Level Found	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
<b>Inorganic Contaminants</b>							
Sodium (ppm)	none	none	12.0	none	2020	No	Erosion of natural deposits; additive used for corrosion control.