



# Joint Base Pearl Harbor-Hickam Drinking Water Update

## TOPIC: Sampling and Analysis Plan Overview

The United States Navy is committed to ensuring military personnel and families are safe while serving our country at home or overseas. As part of that commitment, we have pledged to share important health information with you. A rapid and comprehensive effort is being conducted to assess potential health risks due to the release of a jet fuel/water mixture at the Red Hill Shaft. The purpose of this fact sheet is to provide information about potential health risks for people living on JBPHH. We will continue to update you as new information is available.

### What is a Sampling and Analysis Plan?

The purpose of a Sampling and Analysis Plan (SAP) is to detail how samples will be collected as part of a site investigation. The SAP includes information about where samples will be collected, how samples will be collected, what chemicals will be analyzed, what data reporting is required, and how the data will be used to make decisions. SAPs are considered “evergreen” documents—that is, they are revised as new information is available to ensure protection of human health and the environment.



### Drinking Water Sampling Plan Joint Base Pearl Harbor-Hickam (JBPHH)

The Navy, Army, Air Force, Hawaii Department of Health (HDOH), and the United States Environmental Protection Agency (USEPA) have formed the Interagency Drinking Water System Team (IDWST). The IDWST jointly developed the *Drinking Water Sampling Plan – Joint Base Pearl Harbor-Hickam (JBPHH)*. This SAP includes information about how drinking water samples are being collected and analyzed in potentially affected locations. The data collected as part of the SAP will be used to make health-protective decisions regarding JBPHH drinking water.

The sampling program will be performed in five steps, which are described below and on Page 2.

#### Step 1

Collect Waiawa Shaft, Halawa Shaft, and Red Hill Shaft water samples to characterize chemical concentrations in the source area. Shaft water sampling activities began on November 29, 2021 to develop a preliminary list of chemicals of potential concern (referred to as COPCs).

Proceed to Step 2 when complete.

For more information, go to: [www.cpf.navy.mil/JBPHH-Water-Updates](http://www.cpf.navy.mil/JBPHH-Water-Updates)



## Step 2

Identify the locations classified as contaminated throughout the drinking water system. This classification is based on chemical data and residents' reports of fuel-like odors and/or other health-related issues. These locations will be divided into Flushing Zones. Water from the supply line in each zone will be flushed with clean water from the Waiawa Shaft. The flushed water will be treated using a granular activated carbon (GAC) filter prior to being discharged in accordance with HDOH requirements. Once flushing is complete, confirmation samples will be collected and analyzed to ensure the water in the supply line is clean and is safe for consumption.

Proceed to Step 3 when complete.

## Step 3

Flush homes and workplaces in the vicinity with clean water from the Waiawa Shaft. The purpose of the flushing is to remove any of the jet fuel/water mixture from the homes or workplaces.

Proceed to Step 4 when complete.

## Step 4

Collect drinking water samples from 10% of homes and/or workplaces (minimum of 15 samples) in each Flushing Zone, per the IDWST. The data will be used to determine if water in the home is safe to drink and if residents may return home. If the concentrations are below Tier 1 Environmental Action Levels (EALs) and Maximum Contaminant Levels (MCLs), the water is considered safe for all uses and residents will be allowed to return home. If the concentrations are above EALs and MCLs, the Navy, Army, Air Force, HDOH, and USEPA will determine next steps.

Proceed to Step 5 when complete.

## Step 5

Perform long-term drinking water monitoring for each Flushing Zone for two years. The purpose of long-term drinking water monitoring is to confirm tap water is protective of human health.

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