



Hawai'i Department of Transportation
869 Punchbowl Street
Honolulu, HI 96813

FACT SHEET

PFAS Impacted Soil and Groundwater Kahului Airport Aircraft Rescue and Fire Fighting Training Area Kahului, Maui, Hawai'i

TMK: (2) 3-8-001:019. 1 Keolani Place, Kahului, Maui, Hawai'i

Introduction

This fact sheet provides information on the release response efforts at the State of Hawaii, Department of Transportation (HDOT) Kahului Airport (OGG) Aircraft Rescue and Fire Fighting (ARFF) Training Area. Under the oversight of the Hawaii Department of Health (HDOH) Hazard Evaluation and Emergency Response (HEER) Office, a response action has begun for the assessment and remediation of per- and polyfluoroalkyl (PFAS) impacted soil and groundwater at the OGG ARFF Training Area.

The OGG ARFF Training Area, used by ARFF personnel for firefighting training, consists of a burn pit, evaporation basin, and associated infrastructure. AFFF was formerly used at the Training Area, but has not been used since 2021.

PFAS are manmade chemicals used in many products, including Aqueous Fire Fighting Foam (AFFF). The primary concern with PFAS at the Training Area is the migration of PFAS impacted groundwater to the ocean, and exposure of PFAS impacted surface soil to human populations. Kahului Bay is located approximately 0.25 miles north of the Training Area. Groundwater in the area is not a current or potential drinking water resource

The health effects of PFAS are still under investigation. However, current studies have shown that exposure to certain PFAS compounds may lead to various adverse health effects. Additional information regarding PFAS can be found on the HDOH HEER Office website:

<https://health.hawaii.gov/heer/environmental-health/highlighted-projects/per-and-polyfluoroalkyl-substances-pfass/>

Characterization of Contamination

Soil and groundwater samples have been collected around the burn pit and north to north west of the burn pit, towards Kahului Bay. A total of twelve groundwater monitoring wells have been installed. PFAS has been detected at concentrations exceeding the HDOH HEER Office Environmental Action Levels [EALs] in soil and groundwater surrounding the burn pit and in areas between the Training Area and Kahului Bay. A map showing the impacted areas where PFAS has

been detected at concentrations above the HDOH HEER Office EALs is attached.

Additional wells, along with additional soil and groundwater testing, is planned to evaluate the extent of PFAS impacted soil and groundwater.

Response Action

The HDOH HEER Office and HDOT have been working together to evaluate the extent of PFAS impacted soil and groundwater and develop short and long-term remedial actions to mitigate the hazards.

Short-term remedial actions that have been implemented include installing fencing and warning signs to prevent exposure of the public. Additionally, removal of PFAS impacted soil at the surface and near surface outside of the AOA secured area that poses a potential direct exposure hazard is planned for the fall of 2023. Studies are currently being performed to assess potential long-term remedial options.

This Fact Sheet will be updated as new information becomes available. For further information or questions, please contact HDOT.

