

**REPORT TO THE THIRTY-SECOND LEGISLATURE  
STATE OF HAWAII  
2023**

**PURSUANT TO CHAPTERS 128D AND 128E, HAWAII REVISED STATUTES,  
REQUIRING THE DEPARTMENT OF HEALTH TO REPORT  
ENVIRONMENTAL RESPONSE LAW AND  
HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT  
FINANCIAL AND ENVIRONMENTAL SITE INFORMATION  
FY2022**

**PREPARED BY:  
DEPARTMENT OF HEALTH  
STATE OF HAWAII  
DECEMBER 2022**

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## EXECUTIVE SUMMARY

### REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND FOR FISCAL YEAR 2022

#### Chapter 128D, HRS, Environmental Response Law, and Chapter 128E, HRS Hawaii Emergency Planning and Community Right-to-Know Act

This report, prepared by the State of Hawaii Department of Health (DOH), Environmental Health Administration (EHA), Hazard Evaluation and Emergency Response (HEER) Office, complies with the Hawaii Environmental Response Law (HERL), Chapters 128D and 128E, Hawaii Revised Statutes (HRS) requiring the DOH to report to the State Legislature on the Environmental Response Law and Hawaii Emergency Planning and Community Right to Know Act (HEPCRA).

The report presents the Fiscal Year 2022 accounting of Chapter 128D, HRS, Environmental Response Revolving Fund (ERRF) budget and expenditures for five Environmental Health Administration (EHA) programs. The report also presents an accounting of Chapter 128E, HRS, HEPCRA Tier II filing fees collected and distributed for FY2022.

#### ERRF Supports Environmental Health Administration

Prior to FY2016, the ERRF funded five Environmental Health Administration (EHA) programs with 31 occupied positions. They are the Hazard Evaluation and Emergency Response (HEER) Office, Environmental Management Division (EMD), Clean Water Branch (CWB), Safe Drinking Water Branch (SDWB), and the Solid and Hazardous Waste Branch (SHWB). Due to rapidly declining barrel tax revenues, the 2015 Legislature changed the means of financing for all 31 occupied positions from ERRF to general funds and eliminated 10 vacant positions, effective July 1, 2015. The legislative changes enacted removed certain uses of the fund, returning the focus to removal, remediation, and detection of oil and pollutant or contaminant releases; and removal and remediation of hazardous waste and any other solid, liquid, or gaseous substance that may harm the environment. Concurrently, the 2015 Legislature reduced the corresponding 2016 appropriations to the affected programs: HEER <\$1,132,230>, CWB <\$324,891>, SDWB <\$457,532>, and SHWB <\$892,793>.

#### Revenue

ERRF generates revenue in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs. A primary source of funding for the ERRF is the 5-cent share of the “environmental response tax” (ERT) which levies a \$1.05 tax on each barrel of oil shipped into Hawaii.

The General Fund receives sixty cents of the barrel tax. The Department of Business, Economic Development and Tourism (DBEDT), Energy Security Special Fund and the Energy Systems Development Fund, and the Hawaii Department of Agriculture (DOA), Agricultural Development and Food Security Special Fund receive the remaining 40 cents.

In 2015, the Legislature expanded HRS Section 243-3.5(b)(1) to include other fossil fuels by levying a 19-cent tax on each one million British thermal units (MMBtu) of fossil fuel sold by a distributor. The Department of Taxation (DOTAX) Annual Reports for the fiscal years 2018, 2019, 2020, 2021, and 2022 state that the tax was levied on 5.8, 7.9, 5.9, 4.6, and 5.3 million MMBtu of non-petroleum fossil fuels respectively. The ERRF is allocated a 4.8 per cent share of this additional tax revenue.

In addition, fines and penalties generated by the Hazard Evaluation and Emergency Response Office, Clean Water Branch (CWB), Safe Drinking Water Branch (SDWB), Solid and Hazardous Waste Branch (SHWB), Clean Air Branch (CAB), and the Indoor and Radiological Health Branch (IRHB) are deposited into the ERRF. ERT revenue to DOH in FY2022 was \$1,240,787 which includes fossil fuel collections. Total revenue to the ERRF, including the ERT revenue, was \$2,579,781.

#### Budget and Expenditure

The 2022 legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency

Response (HEER) Office. The state expended \$1,682,276 of the ERRF during FY22 for the four programs.

### **Environmental Response Tax Revenue Relatively Stable**

The \$1.05 per barrel ERT revenue to DOH's environmental programs is relatively stable over the past five fiscal years. For fiscal years 2017, 2018, 2019, 2020 and 2021 ERT revenue was: \$1,236,065, \$1,287,966, \$1,266,898, \$1,290,770, \$1,248,675, and \$1,116,240 respectively. Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections.

### **2015 Legislative Changes to HRS 128D and HRS 243 to Affect ERRF in FY2016**

In July 2015, Governor Ige signed into law revisions to Section §128D-2 to limit the uses of the fund. In addition, revisions to §243-3.5(b)(1) modified the Environmental Response, Energy and Food Security Tax to add a 19-cent tax on each one million British thermal units (MMBtu) of fossil fuels and to allocate 4.8 per cent of said tax to the ERRF. The change in the means of finance for the 31 occupied positions from ERRF to general funds also took effect in July 2015. Accordingly, the Legislature adjusted the ERRF appropriations to the affected EHA programs. Another provision was that unexpended and unencumbered funds in excess of \$1,250,000 remaining in the fund after June 30 of each fiscal year will be transferred to the general fund. Changes affecting the ERRF have been reported in detail in this Report.

### **Hawaii State Response Program Impacted by Federal Budget Cuts**

Because ERRF funding does not fully support the state's response obligation, the HEER Office implements the environmental site identification, assessment, and cleanup program using combined ERRF, General Fund, and federal cooperative agreement funding. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FY2016 and FY2017 annual allocation dropped to \$936,300, and \$929,600 in FY2019 and FY2020 and then to \$849,600 in FY2021. The smaller Preliminary Assessment/Site Investigation (PA/SI) grant which funds site discovery activities was cut from \$275,000 in 2013 to the 2015 allocation of \$223,000 but has been restored for FY2022 and FY2023 to \$275,000. Grant funds available for FY24 allocations for each state remain to be determined.

Given the relatively stable ERT revenue levels and substantial reductions in federal funding it is hoped that the additional funding from the 19-cent tax on each MMBtu of fossil fuels of which the ERRF is allocated 4.8 percent will help to offset the losses.

### **The Hawaii State Response Program (HSRP) Site Lists**

This annual report presents four distinct Site Lists at the end of this document.

First, per HRS 128D, this annual report identifies Sites Eligible for Possible Remedial Action Under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

Secondly, the *FY2022 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 440 release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 293 cases directly related to petroleum releases.

Thirdly, the *Hawaii State Response Program List of Priority Sites* presents all non-military Hawaii sites identified for potential or known non-emergency response actions under HRS 128D. The list shows 1,058 active sites under direct DOH oversight in the various State programs. This includes eight sites with known or suspected contamination that were open or received No Further Action (NFA) determinations since the beginning of FY2022.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 520 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes three sites with known or suspected contamination that received NFA determinations.

SDAR provides regulatory oversight of hazardous substance response actions for Department of Defense (DOD) service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum-contaminated military sites are exempt under CERCLA and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

### Hawaii Department of Health Website

Additional information about DOH and its environmental programs is located at: <http://health.hawaii.gov/>. Specific information on the environmental programs may be located through the 'Environmental Health' and 'Emergency Preparedness and Response' drop down

menus on the front page, under Health and Safety Topics.

Information about HEER Office activities including recent events, new initiatives, public records, fact sheets and comprehensive guidance documents may also be directly accessed at: <https://health.hawaii.gov/heer/>

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## REPORT ON CHAPTER HRS 128D, HRS, ENVIRONMENTAL RESPONSE LAW (HERL)

### Environmental Response Revolving Fund (ERRF) Budget Report

The Chapter 128D, HRS, Environmental Response Law (HERL) annual report to the Thirty-Second Legislature, State of Hawaii, presents an accounting of Environmental Response Revolving Fund (ERRF) revenue and monies budgeted and expended for implementing environmental protection and response plans and actions.

#### ERRF Uses

In accordance with HRS 128D, the ERRF may be used for the following:

- (1) Removal, remediation, and detection of oil and pollutant or contaminant releases;
- (2) Removal and remediation of hazardous waste and any other solid, liquid, or gaseous substance that may harm the environment; and
- (3) The payment of expenditures authorized by the Director under section 128D-4, Uses of the Fund.

#### Special Funding to Attorney General

The ERRF funds legal support from the state Department of Attorney General on a variety of regulatory oversight issues including issuing orders to noncompliant parties, negotiating agreements with Voluntary Response Program participants, providing legal guidance on program development and legislative proposals, and developing guidance for property owners on implementation of deed restrictions in accordance with Hawaii's Uniform Environmental Covenant Act.

#### Annual de minimis Settlements

Chapter 128D, HRS, Environmental Response Law, requires that the department report annually on any de minimis settlements. During FY2022, there were no de minimis settlements.

#### Four Environmental Health Program Budgets

Four DOH environmental programs share revenue deposited to the ERRF and have access to the following appropriation amounts: The Hazard Evaluation and Emergency Response (HEER) Office \$1,363,895, Clean Water Branch (CWB) \$134,505, Safe Drinking Water

Branch (SDWB) \$140,541, and Solid and Hazardous Waste Branch (SHWB) \$137,166 for a total FY2022 allocation of \$1,776,107.

In FY2022 the legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and the HEER Office.

For FY2022 the state expended \$1,682,276 to the four programs. The operational expenses were for emergency and non-emergency environmental response contractors, salary and fringe benefits, travel, response training, standby and overtime pay, legal services, and Tier II Fees distributed to the county LEPCs.

#### Environmental Response Revolving Fund Expenditure Ceiling Increase for Navy Water System Incident November 28, 2021

Due to the unanticipated costs resulting from the Navy Water System Incident (Case No. 20211128-1848) petroleum release, the Department of Health requested the Governor to increase the ERRF legislative ceiling by an additional \$4.5 million.

The existing authorized appropriation of \$1,363,895 in ERRF funds was insufficient to adequately respond to the incident of this magnitude. It was estimated that an additional \$4.5 million would be required for the following expenses to address the incident including (1) additional staff to enable thorough sampling and confirmation collection according to State and federal drinking water regulations and procedures, (2) laboratory testing, (3) retention of additional subject matter experts to supplement Department of Health staff, (4) additional staff for data management, (5) emergency repairs for laboratory instruments used for testing of drinking water samples, (6) crisis communications assistance, (7) regulatory enforcement, and (8) overtime costs for the many State employees needed to work on the emergency response.

The ERRF ceiling increase was approved on February 8, 2022 by the Governor. The Department of Health has pursued cost recovery reimbursement from the U.S. Navy for the expenses associated with the response.

### Fund Revenue

Revenue is generated in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs, and from the ERT at \$1.05 per barrel. Additional revenue also is generated from the 19-cent tax on each MMBtu of fossil fuels of which the ERRF is allocated 4.8 percent. The DOTAX Annual Reports for the fiscal years 2018, 2019, 2020,

2021, and 2022 states that the tax was levied on 5.8, 7.9, 5.9, 4.6, and 5.3 million MMBtu of non-petroleum fossil fuels respectively. Overall, the ERT revenue is relatively stable over the past five fiscal years. ERT revenue for the past five fiscal years is as follows: \$1,266,898 (2017), \$1,290,770 (2018), \$1,338,582 (2019), \$1,116,240 (2020) and \$1,240,787 (2021). Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections. The current total spending ceiling for the fund is \$1,776,107.



**Environmental Response Revolving Fund Revenue – FY2022**

HTH 849 and HTH 840	
ENVIRONMENTAL RESPONSE TAX	1,240,787
INVESTMENT POOL ACCOUNT	30,317
FEES, FILING OF CHEMICAL INVENTORY FORMS	191,030
FEES, VOLUNTARY RESPONSE ACTIONS	3,603
COST RECOVERY	70,685
REFUND/REIMBURSEMENT OF PRIOR PERIOD EXPENDITURES	1,657
VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS	90,850
VIOLATIONS OF HAZARDOUS WASTE REGULATION	708,627
VIOLATION OF WATER POLLUTION REGULATIONS	235,950
VIOLATION OF SOLID WASTE REGULATIONS	4,775
COMMUNITY NOISE CONTROL	1,500
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TOTAL	2,579,781

**Environmental Response Revolving Fund Expenditure – FY2022**

HTH 849 and HTH 840	
PERSONNEL	190,083
OPERATIONS	1,492,193
EQUIPMENT	-
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TOTAL	1,682,276

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## REPORT ON CHAPTER 128E, HRS, HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (HEPCRA)

### Environmental Response Revolving Fund (ERRF) HEP CRA Budget Report

In compliance with Chapter 128E, HRS, Hawaii Emergency Planning and Community Right-to-Know Act (HEPCRA), this annual report to the Thirty-Second Legislature, State of Hawaii, 2023 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2022
- Amounts distributed during Fiscal Year 2022
- Projected collection for Fiscal Year 2023

#### HEPCRA Facility Reporting and Fees

HEPCRA facilities are those that store, use, or manufacture above defined thresholds, any hazardous substance, or extremely hazardous substance. An owner or operator of a HEP CRA facility must file notification of such “Tier II” activity and pay a \$200 filing fee annually. HEER Office staff assesses each submitted Tier II report,

records the HEP CRA facility data into the EPA Tier II Submit database and processes the fees for deposit to the Environmental Response Revolving Fund (ERRF).

DOH distributed the deposited Tier II filing fees to the Hawaii State Emergency Response Commission (HSERC) and the Local Emergency Planning Committees (LEPCs) for operating expenditures. The annual amounts distributed to the LEPCs are based on Tier II fees collected from two fiscal years prior and after HSERC operating expenditures have been deducted.

As of June 30, 2022, there are 916 qualifying Tier II facilities. Military facilities must submit Tier II information but are exempt from filing fees.

The HSERC, LEPCs, and HEER Office are continuing efforts to identify and contact possible non-reporting facilities through community outreach and facility inspections.

### Tier II Filing Fees Collected and Distributed – FY2022

FY 2021 Amount Collected	\$133,929
FY 2021 Amount Distributed (FY 2019 Collected Fees)	\$108,282
FY 2022 Projection of Fees to be Collected	\$135,000

County	Funds Distributed to LEPCs	Number of Qualifying Facilities		Total Facilities
		Non-Military Facilities	Military Facilities	
Honolulu	\$48,727	410	28	438
Hawaii	\$27,070	223	4	227
Maui	\$20,574	158	4	162
Kauai	\$11,911	85	4	89
Total	\$108,282	876	40	916

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## THE HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE HAWAII STATE RESPONSE PROGRAM MANAGEMENT AND IMPLEMENTATION

### The HEER Office Mission

The mission of the HEER Office and the Hawaii State Response Program (HSRP) is to address all aspects of releases of hazardous substances and pollutants, including oil, into the environment. HEER Office work includes preventing, planning for, and responding to hazardous substance releases, or risks of releases. HEER accomplishes this mission by responding rapidly to new spills and addressing existing contaminated sites with the highest risk to human health and the environment first, preventing contamination rather than cleaning up after the fact, and basing decisions on sound scientific principles and common sense.

### The Hawaii State Response Program

ERRF funding to the Hazard Evaluation and Emergency Response (HEER) Office is used for operational costs for the office's implementing program, the HSRP. Three operating sections address important focus areas of the HSRP. They are the 1) Emergency Preparedness and Response (EP&R) Section, 2) Hazard Evaluation (HE) Section, and the 3) Site Discovery, Assessment and Remediation (SDAR) Section.

The HSRP provides for oversight of assessment and cleanup activities during chemical emergencies, and on high and medium priority contaminated sites across the Hawaiian Islands. These include privately owned, municipal, and state-owned properties, and federal military sites. DOH has generally curtailed oversight of low priority sites, which pose little hazard, due to state budget constraints.

HEER staff works with property owners, the environmental community, developers, the public, and other state and federal agencies to implement solutions for eliminating risk of chemical exposure to humans and the environment. HSRP examples of work performed are as follows:

- Emergency response to releases of hazardous substances that pose an imminent danger to people or the environment.
- Non-emergency response actions on properties presumed or known to pose a risk to human health and/or the environment because of contamination with hazardous substances.

- Identification and inspection of sites storing and using hazardous chemicals on property.
- Performing ecological and human health risk assessment in the areas of toxicological assessments of chemical threats to human health.
- Establishing appropriate cleanup levels for chemical contamination.
- Assisting the public and responsible parties with access to information such as:
  - Health effects of chemicals
  - Public Record documents
  - Technical guidance and reference materials for cleaning up contaminated sites
- Ongoing development and management of site related electronic records.
- Environmental policy, law, and rule development.

### Essential Federal Funding Support to the HSRP

As a result of legislative changes made in 2015, the ERRF no longer funds core operations for the HEER Office, and the General Fund currently supports approximately 40% of the HEER Office state response program obligations. Consequently, the HEER Office relies heavily on three cooperative agreement sources of federal funding to implement the office's mission and the HSRP.

The federal funding sources are the EPA State Response Program (SRP), the EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreements, and the Department of Defense and State Memorandum of Agreement (DSMOA) Cooperative Agreement.

### *The Environmental Protection Agency (EPA) State Response Program (SRP) Cooperative Agreement*

The HEER Office continues to receive funding from the EPA State Response Program (SRP) grant under Section 128(a) of the Small Business Liability Relief and Brownfields Revitalization Act (SBLRBRA) of 2002. This SRP grant provides crucial funds for staff salaries, capacity building, and program development activities. The SRP grant awards have been steadily declining from 2011. The SRP grant allocation for the past seven years were \$980,850 (2015), \$936,300 (2016), \$936,300 (2017), \$936,300 (2018), \$926,900 (2019), \$926,900 (2020) and \$849,600 (2021).

### **EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreement**

The EPA Preliminary Assessment/Site Inspection Grant funds site discovery efforts combined with federal CERCLA (Superfund) evaluation of sites. HEER staff evaluates and rates sites based on PA/SI system criteria to determine their eligibility for the National Priority List. When a rated site scores too low to be eligible for the National Priority List of Sites, EPA transfers site-oversight responsibility from the EPA to the State of Hawaii. This year, the HEER Office used the \$275,000 PA/SI grant to fund positions, conduct field-screening activities, and fund laboratory costs to complete rapid site screenings that assess residential areas that may have been affected by historic releases of pesticides and other contaminants.

### **Department of Defense/State Memorandum of Agreement (DSMOA) Cooperative Agreement:**

The HEER Office participates in two federal cleanup programs. The office provides oversight services to the military on sites located on federal property and managed and funded under the Department of Defense/State Memorandum of Agreement (DSMOA) Program. HEER Office also manages assessment and cleanup activities for sites delegated to the DSMOA funded Formerly Used Defense Sites (FUDS).

The federal government established the DSMOA program to cover reimbursement of costs incurred by the state in providing oversight services to the Department of Defense (DOD) installations conducting environmental cleanup activities funded under the Defense Environmental Restoration Program (DERP). DSMOA funds are given to the state based on the state's request for advanced or reimbursement payment. The DSMOA Cooperative Agreement funds all staff positions overseeing remedial investigations and cleanups under these two DOD programs.

For FY2022, the state's reimbursement under DSMOA was \$531,331.

### **Modern Data Management and Hazard Tracking Tools**

Residual contamination exists at hundreds of sites in Hawaii. Identifying these sites to ensure that unhealthy exposures are not occurring is a shared responsibility of the HEER Office and the affected property owners. The HEER Office has converted many of its public records to electronic format to make them easily available to the public in accordance with Hawaii's Sunshine Law.

### **A HEER/UH MOA for Analytical Laboratory Service**

Since 1998, the HEER Office has contracted with the University of Hawaii (UH) to characterize unknown hazardous substances. The successful collaboration allows for quick identification of chemical pollutant unknowns while conducting an emergency response actions. The HEER Office is currently in a five-year contract with UH, effective May 1, 2019 until April 30, 2024. In addition to analyzing unknown substances, the university laboratory staff assists in training and outreach to Fire HazMat teams throughout the State.

### **Cost Recovery**

Chapter 128D, HRS, provides legal authority to cost recover all ERRF expenses for DOH response actions. For FY 2022, the HEER Office and the Solid and Hazardous Waste Branch recovered \$70,685. The HEER Office mechanisms for cost recovery require charging billable staff time and expenses to the ERRF and include following:

**Responsible Party Agreement:** DOH recovers oversight expenses for the Honolulu Authority for Rapid Transportation, Honolulu Harbor, Hickam Community Housing, and GASCO cleanup sites in accordance with the terms of their respective Agreements for Remedial Action.

**Fast Track Agreement:** Parties wishing to receive expedited oversight of investigation and cleanup of low and medium priority sites have the option to enter into Fast Track Agreements, in which they pay oversight costs in return for face to face meetings and expedited document reviews.

**Voluntary Response Program Agreement:** DOH recovers oversight expenses for VRP and other cleanup sites in accordance with the terms of their respective HRS 128D Part II Voluntary Response Program Agreements for Remedial Action.

**Emergency Response Action Expenditures:** Money spent for responding to a chemical emergency is cost recoverable, only when expended from the ERRF. State On-Scene Coordinator's (SOSCs) personnel costs are paid from the General Fund and are not cost recoverable. Moneys expended from the ERRF for private emergency responder contractor services are cost recoverable.

**Penalties:** Penalties are assessable to a Responsible Party for failure to report a release of a hazardous

substance, pollutant, or contaminant, or for failure to comply with a departmental or judicial cleanup order.

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### HEER Office Emergency Preparedness and Response Key Actions

The Emergency Preparedness and Response (EP&R) Section of the HEER Office is the State's lead on environmental emergencies, responding to releases or threats of releases of hazardous substances which include oil and/or chemicals on land or in water. The EP&R Section includes highly trained State On-Scene Coordinators (SOSCs) who provide 24/7 response capabilities and are authorized to take emergency actions to protect public health and the environment.

Deemed essential workers, the SOSCs continue to prepare for and respond to releases and recognize that responder safety is of utmost priority. The SOSCs knew that protecting themselves have a direct impact on how well they can respond to protect public and the environment. As the COVID-19 pandemic continued, the SOSCs were very cognizant how different variants of the coronavirus are evolving. Therefore, SOSCs were very diligent in donning personal protective equipment, maintaining physical distancing, and abiding by Centers for Disease Control and Prevention guidelines.

In FY2022 HEER's SOSCs managed 440 release notifications and performed direct oversight on 266 of those cases.

**Emergency Response Action Expenditures:** Money spent for responding to a chemical emergency is cost recoverable, only when expended from the ERRF. State On-Scene Coordinator's (SOSCs) personnel costs are paid from the General Fund and are not cost recoverable. Moneys expended from the ERRF for private emergency responder contractor services are cost recoverable.

Notable cases of FY2022 include the following:



*Photo credit: NTSB*

#### **Case No. 20210702-0340 Aircraft Cargo TransAir Flight 380 Down**

TransAir Flight 810, a cargo Boeing 737, departed from Honolulu International Airport heading to Maui reported engine trouble and went down in approximately 350 - 450 feet of water, 2 miles east of Single Point Mooring, 4 miles west of entrance of Pearl Harbor, 1.5 miles offshore Ewa Beach. Two onboard were rescued. Plane carried approximately 1500 gallons of fuel along with cargo and other debris. The National Transportation Safety Board (NTSB) worked with the company's insurance to recover the plane. DOH HEER and Department of Land and Natural Resources ensured that the environmental concerns of the State were adhered to. In three months, the plane, its engines, fuselage, and cargo were retrieved.

**Case No. 20210808-0732**

**Polyethylene Pipes on Fire Near Sand Island Access Road**

On August 8, 2021, several polyethylene (PE) pipes were set on fire. The PE pipes burned for many hours, but the fire was able to be contained on the site. Due to the PE nature of the pipes, large amounts of smoke were created during the fire and a large quantity of water was used by the Honolulu Fire Department to contain the fire. Air monitoring was conducted on scene and nearby area as well. The water runoff was tracked to a main canal. The canal led to an oil water separator and prevented the runoff from going directly into Keechi Lagoon. Despite the large amounts of runoff created from the response, Ke'ehi Lagoon was not impacted.



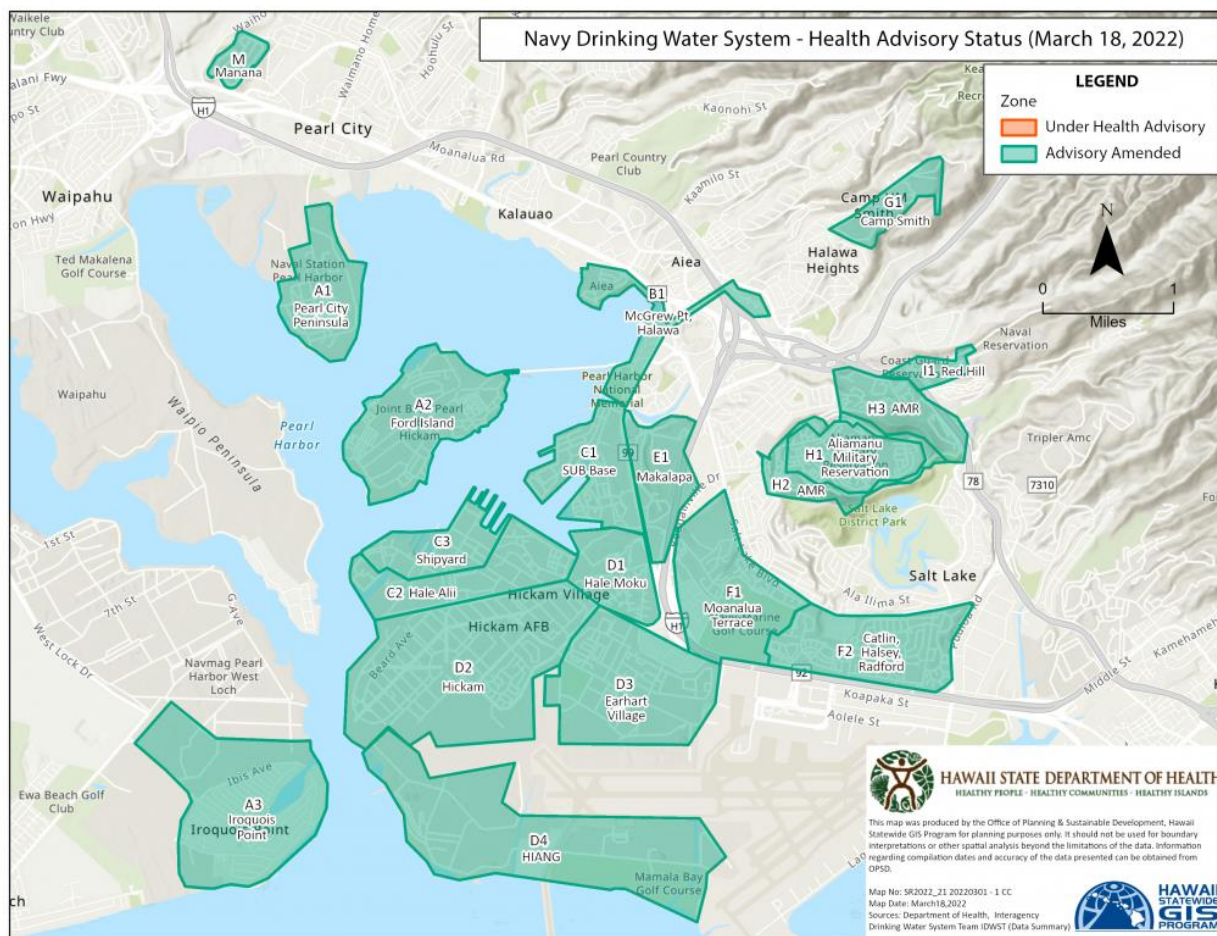
## Case No 20211128-1848

### Navy Water System Incident

On November 28, 2021, the U.S. Navy and the Hawaii Department of Health (DOH) received numerous complaints about fuel-like odors in drinking water on Oahu. As more calls came in, it became apparent that the complaints were from neighborhoods served by the Navy Public Water System. This triggered an emergency response and a Public Health Advisory from DOH recommending that all Navy water system users avoid using the water for drinking, cooking, or oral hygiene. In addition, an Emergency Order was issued by the Governor.

Approximately 93,000 people comprised of residents, military, and commercial entities, were affected by a contaminated Red Hill Shaft, a Navy drinking water well contaminated with jet fuel JP-5, stored at the Navy's Red Hill Bulk Storage Facility. The Red Hill Shaft sits approximately 100 feet below Red Hill tanks. Hawaii DOH, U.S. Environmental Protection Agency, the Army, and the Navy formed an Interagency Drinking Water System Team (IDWST) to coordinate the restoration of safe drinking water by flushing the water distribution system, residence system flushing, sampling, and analyses. In late March 2022, the DOH declared the water was safe to drink and the residents were able to return to their homes. Long-term monitoring is ongoing to ensure that the water continues to be safe.

The State's cost recovery against the Navy is ongoing. To date, \$1,243,087 was recovered from the Navy for DOH's expenditures during the Navy Water System Incident.





**DOH Emergency Order Docket No. 21-UST-EA-02**

**Emergency Change in Service and Defueling of 20 Underground Storage Tanks, Red Hill Bulk Fuel Storage Facility**

On December 6, 2021, Governor Ige and DOH issued an Emergency Order (EO) to the Navy requiring the Navy to suspend Red Hill operations, treat the contaminated water, and drain the fuel tanks. On May 6, 2022, DOH issued a superseding Emergency Order to submit to DOH a plan for permanently defueling the Red Hill Bulk Storage Facility (the “Defueling Plan”). The Defueling Plan must, at a minimum, include plans for oil spill/release prevention, containment, and response/contingency plans, including the deployment of resources sufficient to adequately respond to and clean up any releases that occur during the defueling and closure process. DOH Underground Storage Tank Program along with HEER have been enforcing the requirements in the EO to prevent and respond to oil spills at Red Hill to protect drinking water as well as surface waters of Halawa Stream and Pearl Harbor. This work has resulted in the Navy’s installation of a diversion barrier system in the Adit 3 Tunnel to divert any large oil spill away from the Red Hill Shaft, the Navy’s drinking water well. At DOH’s request, the Navy has also sealed up drains (connected to groundwater) and sealed up floor cracks in the Red Hill tunnels.



*Photo credit: Cpl. Cohen USMC. Oct. 27, 2022*

**Case No. 20220418-1419**  
**Oil Spill USS Chung-Hoon**

On April 18, 2022, DOH State On-Scene Coordinators (SOSCs) responded to a release of about 400 gallons of F-76 Fuel from a fuel barge from refueling operations for the USS Chung Hoon at Bravo Pier in Pearl Harbor.

Navy response personnel applied booms and absorbent pads on the water. Crews used fire hoses to push oil to the belt skimmer on a boat. Oil was recovered using absorbents (and placed into 55-gallon drums), a boat skimmer and a vac truck. SOSC was on-scene and issued a notice of interest to the Navy and inspected under the pier. SOSC recommended installation of absorbent booms under the pier to capture residual oil that was observed. The Navy complied. The release was secured.



*Photo credit: Navy Region HI, April 18, 2022*



**Case No. 20220504-0414**

**Fire at a Used Lithium-Ion Battery Accumulation Facility**

A used battery storage facility mysteriously caught fire before midnight on May 3, 2022. The fire involved used Lithium-ion batteries. Honolulu Fire Department (HFD) extinguished the fire by removing every pallet of used Lithium-ion batteries from the building and quenching each burning stack. However, extinguishing the fire was challenging and described as “blowing out trick candles on a birthday cake” as a stack of batteries that appeared to be extinguished would re-ignite later. The cause of the fire is under investigation.

Pictured is a pallet of used Lithium-ion batteries that burst into flames during HEER’s investigation four hours after HFD left the scene. To economically ship batteries to a recycler, the facility accumulates the used Lithium-ion batteries on pallets indoors stacked on the floor. It takes the facility several months to accumulate enough batteries to pack a 45’ shipping container.



**Case No. 20220531-1348**

**Port Allen Generating Station Diesel Leak from Valve**

On May 31, 2022, a 40,000-gallon aboveground storage tank containing diesel overflowed into a secondary containment at the Port Allen Generating Station. The berm storm water drain valve was left open, releasing approximately 100 gallons of fuel into an adjacent cobblestone ditch. Crews soaked the standing fuel up with absorbents and excavated the impacted berm.



*Photo Credit: Richard Vetter, Kauai Island Utility Cooperative*



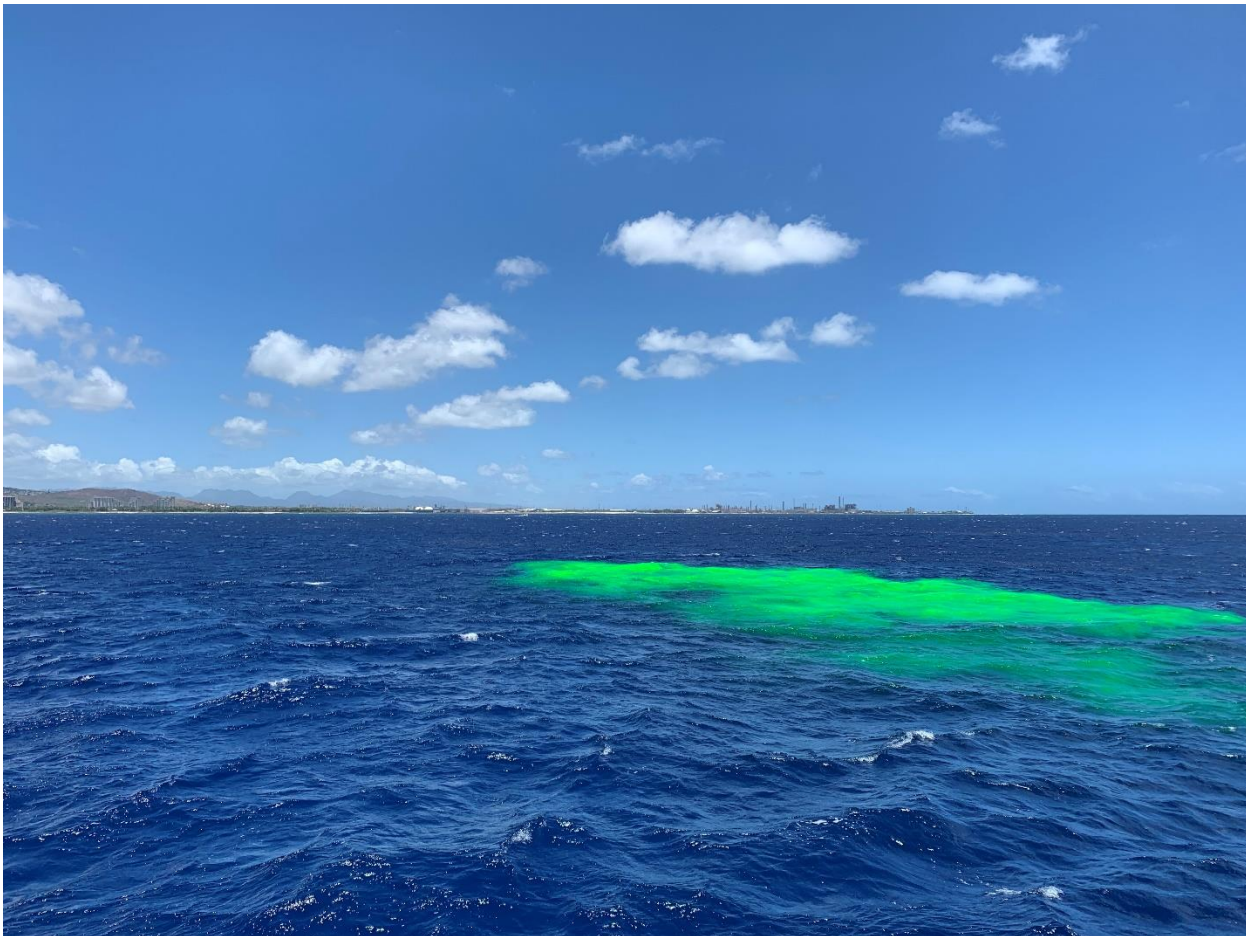
### ***HEER Guidance and Training***

The HEER Office routinely provides training opportunities to emergency response personnel from the counties and State and Federal agencies.

Notable HEER Office training conducted during FY2022 include the following:

#### **Annual Oil Spill Dispersant Exercise**

On August 3-5, 2021, the Hazard Evaluation and Emergency Response Office (HEER), Emergency Preparedness and Response (EP&R) section organized a series of trainings and exercises to assess the state's current response program and strengthen preparedness in the event of a large-scale marine oil spill from O'ahu's Single Point Mooring. The exercise involved the deployment of the state-owned Airborne Dispersant Delivery System from a United States Coast Guard C-130 aircraft, in addition to Marine Spill Response Corporation's (MSRC) dispersant helicopter buckets. The state also partnered with MSRC to deploy offshore monitoring equipment used for rapid collection and reporting of real-time data on the transport and dispersion of oil in the water.





## Chemical Safety Days

On June 15<sup>th</sup> and 16<sup>th</sup> 2022, the HEER Office hosted two days of Chemical Safety Days. The two-day seminar has been developed to increase importance of preparing for chemical emergencies. Companies that store, use, or manage chemicals as well as first responders are provided educational opportunities for the awareness and safe use of hazardous substances as well as how to take the proper actions in case of an emergency.

A tabletop exercise regarding chlorine simulation release was held in addition to responding to lithium ion batteries, fentanyl awareness as well as cylinder identification.



## **Hazard Evaluation Actions and Studies**

### ***Health Impacts of the November 2021 Petroleum Contamination of the Joint Base Pearl Harbor Hickam Water System***

#### **Working to Understand the Human Health Impacts of JP-5 Jet Fuel Contamination on People Served by the Joint Base Pearl Harbor Hickam Water System**

The November 2021 release of jet fuel from the Red Hill Bulk Fuel Storage Facility and the subsequent contamination of the drinking water system was a massive environmental catastrophe that sickened thousands of people. The event was unprecedented, with no historical or experimental models available that predict health effects from drinking water contaminated with JP-5 jet fuel. Given the lack of available information, it became necessary to further investigate possible health impacts, as well as provide health information and guidance to the public, health care providers, and the community. HEER staff worked extensively on this aspect of the emergency response to this contamination event spearheading efforts that included:

- Partnering with CDC's Agency for Toxic Substance and Disease Registry (ATSDR) to perform 2 Assessment of Chemical Exposure (ACE) Health Impact Surveys to evaluate the experiences of people exposed to the contaminated water.
  - The first ACE survey was conducted in January and February 2022 and had 2289 participants. 87% of participants reported health symptoms from the incident with 80% of those having improvement when they switched to an alternative water source. The survey demonstrated people were having significant health symptoms as well as significant life disruptions from the event and mistrust of responding agencies. A summary of the initial ACE survey results can be found [here](#).
  - The Follow-up Ace survey was conducted in September 2022 and was designed to evaluate ongoing health symptoms and people's attitudes towards their drinking water. The follow-up survey had 986

participants. Of the respondents, 80% reported on going health symptoms with 65% of those expressing high or very high confidence that their symptoms were related to the contaminated water incident. Participants also expressed significant mental health impacts from the event and concern and frustration with communication, transparency and trust. Further data analysis is ongoing, but a summary of preliminary results from the follow-up ACE survey can be found [here](#).

- Creation and dissemination of outreach materials to assist affected persons and health care providers in understanding the potential health impacts from exposure to JP-5 jet fuel in drinking water. HEER staff developed guidance for medical providers as well as public fact sheets on these topics. Information was shared via traditional media, DOH's medical advisory program, social media and by posting on DOH's website. Examples of these materials can be found on the [DOH Red Hill website](#) by clicking on the "Show Resources" button at the bottom.
- Extensive research and risk assessment work to develop an Environmental Action Level (EAL) for the release of fresh JP-5 jet fuel in drinking water. This effort, led by HEER staff, required complex risk assessment work and calculations to account for the specific chemical properties of JP-5 and the freshness of the fuel. Risk Assessments of this type generally take months to years to complete but was accomplished by the HEER Office in a few weeks due to the emergency nature of the problem. A technical memo describing the process can be found [here](#).
- Continued efforts to urge the Department of Defense, the Defense Health Agency and the US Navy to apply their extensive resources to further caring for people affected by the water contamination. With its partners at CDC/ATSDR, HEER has been instrumental in convincing the Department of Defense and Defense Health Agency to establish a Red Hill

Water Clinic to centralize evaluation and treatment of on-going health concerns. In addition, HEER and CDC/ATSDR staff continue to urge DOD and DHA to establish a third-party health registry that would follow exposed persons for years to evaluate health impacts.

### ***Evaluating Infrastructure and Health Risks of Lead in Drinking Water at Hawaii Schools and Child Care Facilities***

**Hawaii Water Infrastructure Improvements for the Nation (WIIN) Section 2107 Drinking Water Project**  
WIIN 2107 is a federal grant for testing drinking water for lead contamination at schools and childcare centers. Working in close collaboration with DOH's Safe Drinking Water Branch (SDWB), State Laboratories Division (SLD), and Children with Special Health Needs Branch (CSHNB), plus the Hawaii Department of Education (DOE), and the Hawaii Department of Human Services (DHS), HEER completed Stage 1 of this extensive project in 2021, testing for lead in drinking water from 6,210 taps at 106 elementary schools and 117 child care facilities.

Stage 2 of the WIIN project, which included testing 4,459 samples at the remaining 72 DOE elementary schools completed in October 2022. Overall project results found elevated levels of lead in the drinking water at 3.7% of the elementary school taps and 1.6% of the child care taps. In total, 133 elementary schools and 4 child care facilities had at least one tap above the project action level for lead of 15 parts per billion (ppb). HEER created and helped distribute educational and communication materials for the staff, students, and families at the schools and childcare centers as well as a public website

(<https://health.hawaii.gov/WIIN>) that displayed results in near real time and provides information on the project and resources for reducing lead exposure from drinking water. HEER continues to work with DOE and DHS to prevent exposure from lead in the drinking water at their facilities and develop long-term solutions to these infrastructure problems in an effort to maintain a safe and healthy environment for kids to learn and grow. In October 2022, HEER staff, in partnership with DOH's SDWB and Hawaii DOE were awarded a \$2 million competitive grant from EPA to replace problematic drinking water fixtures at schools. This grant award will close the circle of this important project that investigated and identified lead hazards in

drinking water at schools and will now repair the infrastructure to fix this problem. Work on the fixture replacement and verification testing is anticipated to commence in early 2023.

### ***Ecological and Human Health Risk Key Studies***

The HEER Office Hazard Evaluation (HE) Section provides ecological and human health risk assessment, conducts toxicological assessments of chemical threats to human health, establishes appropriate cleanup levels for chemical contamination, and assists the public with information concerning the health effects of chemicals.

### ***Evaluating Perfluoroalkyl Substance (PFAS) Contamination in Hawaii and Potential Risks to Human Health and the Environment***

PFASs are a large class of chemicals used in many materials for their waterproofing qualities. Traditional sources of PFAS include aqueous firefighting foam (AFFF) used frequently at airports and military bases, waterproof and stain resistant consumer goods, food packaging, and a variety of industrial processes. Because of their many uses and their persistence in the environment, PFASs are known to accumulate in treated wastewater, biosolids from wastewater treatment and at landfills. Currently, little is known about the burden of PFAS contamination in Hawaii. In FY2022, HEER worked on multiple projects to help further assess the burden of PFAS contamination in Hawaii and its potential risks to Human Health the environment. Information about PFASs and on-going HEER projects can be found on the HEER website:

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

Current projects include:

- Evaluating PFAS contamination in treated wastewater and biosolids, landfill leachate, and soils where treated wastewater is reused. This project was funded by the EPA in FY2020 and is designed to better understand the degrees of PFAS contamination in treated wastewater that is reused or discharged to the ocean as well as in biosolids and landfill leachate. Samples for this project have been collected from wastewater treatment plants and landfills from Kauai, Maui and Hawaii Counties with plans for the collection of

samples from Honolulu County wastewater treatment plants and landfills as well as from Army and Navy locations on Oahu. Results from this project will help HEER better understand how these chemicals are moving through the environment and evaluate potential human exposures to PFASs and begin to develop ways to limit these chemicals in the environment.

- HEER staff led by Dr. Roger Brewer, utilized the latest scientific information to develop Environmental Action Levels (EALs) for 18 PFASs in soil and groundwater. The EALs have undergone extensive public review and final interim EALS were published in December 2020 with an update in August 2021. These EALs are the most comprehensive set of risk-based, soil and groundwater action levels for PFASs in the US and continue to be reevaluated by HEER staff.
- HEER staff has begun the early planning work for a project evaluating PFASs in compost when compostable food ware is included in the substrate for the compost. This project will also evaluate the amount of PFAS taken up into plants when this compost is used as a soil amendment.

### **Evaluating the Risks of Climate Change on Sites with Chemical Contamination**

The HEER Office continues its work evaluating the risks of climate change on sites with known chemical contamination in Hawaii. Hawaii has around 1,000 sites with known chemical contamination that are monitored and regulated by the Department of Health's Hazard Evaluation and Emergency Response (HEER) Office. Many of the contaminated sites are in low lying areas and along shorelines and are at risk for coastal erosion, as well as submersion and impacts from flooding, groundwater inundation and sea level rise.

While hazards from contamination may be mitigated by removal, treatment or destruction of contaminated media, the most commonly used remedial option across the islands is to prevent exposure by managing contaminated materials in place. This is often done through a combination of physical containment, including protective caps or treatment, and

institutional controls such as guidance or restrictions against reuse of sites for residential housing, playgrounds and schools. However, the use of these strategies has historically been viewed in the context of a static environment. The increasing impacts from climate change and sea level rise including more frequent flooding, accelerated erosion and related disruption of contaminated lands due to sea level rise, ground water inundation and an increase in storms and heavy rain events require an equal progression in the manner in which risk is evaluated and mitigated for these types of sites. Of particular concern are large, current or former industrial sites in coastal areas that are known to be heavily contaminated and are at high risk of climate change-related impacts. This includes many harbors, airports, bulk fuel terminals, and former landfills in the islands.

Specific concerns related to these contaminated areas result from the chemical changes induced by sea level rise, effects of barometric pressure changes and increased precipitation (e.g., storms), groundwater inundation and increased flooding. Risks to human health and the environment can increase significantly when these contaminants are moved from their current location to areas that did not previously contain contamination. This includes the possible release of contaminants into drinking water sources and the food chain via fish and shellfish. The HEER office published a memo outlining these hazards and specific risks in Hawaii in June 2021. The memo can be viewed on HEER's Climate and Health website at <https://health.hawaii.gov/heer/climate-and-health/>. HEER plans to expand work in this area by defining guidance for environmental clean-ups in climate change impacted areas and continuing research and modeling into the potential hazards.

### **Assessing the Chemistry and Toxicity of Groundwater Contaminated with Petroleum Fuels**

The HEER Office is near completion of a study of the chemistry and toxicity of drinking water contaminated with petroleum fuels. The results of the study will be used to update HDOH action levels. The results of the study will be used to update Hawaii's existing guidance and better assess the health risk posed by petroleum-contaminated groundwater in Hawai'i, including impacts to groundwater beneath the Navy's Red Hill Tank Farm complex. The study, the most detailed of its kind carried out in the US, is being overseen by Dr Roger Brewer and funded through grants to the HEER Office from the USEPA.

**Health Advisories for Kilauea Eruptions and Evaluating Public Health Effects from the 2018 Kilauea East Rift Zone Eruption**

HEER continues to provide technical support and public outreach regarding volcanic emissions and resulting air quality hazards. HEER staff actively participates in the Inter-Agency Vog Network and collaborates with other Branches within DOH to issue health advisories on protecting oneself from hazards related to volcanic gases and vog.

The HEER Office and the Emergency Medical Services and Injury Prevention Systems Branch (EMSIPSB) have partnered with the University of Hawaii, Manoa Department of Atmospheric Sciences on a project to develop a real-time public messaging service about vog based on forecasts from the established Vog Measurement and Prediction Project (VMAP). The new public messaging service called the Vog and Laze Exposure (VALE) Critical Warning System, is designed to provide real-time alerts to residents in areas where poor air quality from volcanic emissions is predicted within a short time frame. This warning system will allow residents to make health protective choices during periods of rapidly changing conditions. The VMAP vog model has recently undergone a significant upgrade with a public facing webpage (<http://mkwc.ifa.hawaii.edu/vmap/new/>) to disseminate information.

***Health Surveillance for Environmental Factors***

In FY2022, staff provided risk assessment support and responded to a diversity of inquiries concerning potential health hazards. These inquiries included questions regarding heavy metals (mercury, lead, and arsenic), pesticides, indoor and outdoor air pollutants, drinking water contamination and illnesses potentially related to the environment. Inquiries come from the public, the media and the medical community. In FY2022, HEER responded to over 70 direct individual inquiries related to environmental health concerns.

***The Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP)***

In October 2017, CDC funding revitalized the Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP) as a joint program of the HEER office and the Children with Special Health Needs Branch (CSHNB). In FY2022, this funding was renewed for an additional 5

years. HEER hosts a full-time epidemiology specialist for childhood lead activities and provides medical direction and technical assistance from HEER's Toxicologist, Dr. Diana Felton. Together, the HI-CLPPP team is working to reduce children's exposure to lead by primary prevention outreach and education, improving blood lead level surveillance, advocating for increased blood lead testing, case management, guidelines for health care professionals, lead poisoning education, and linking families to needed services.

HEER and HI-CLPPP have continued to expand their Residential Lead Investigation program which offers free residential lead inspections to families of children with elevated blood lead levels. HEER staff who are Hawaii certified lead risk assessors, have performed over 31 residential lead inspections, helping more than 50 children and their families identify and eliminate home based lead sources.

In October 2021, the CDC revised its reference value for children's blood lead level lowering it from 5 µg/dL to 3.5 µg/dL reflecting the growing understanding that even small amounts of lead are detrimental to children's health and development. HEER and HI-CLPPP have adapted to this new reference level and are now providing public health services to all families of children with blood lead levels above 3.5 µg/dL.

For calendar year 2021, 15,159 children (≤6 years old) were tested for blood lead levels. 244 children had an elevated blood lead level between 3.5-9 µg/dL. Another 26 children had an elevated lead level of ≥10 µg/dL. Addresses of children with elevated lead levels have been provided to HUD funded programs in the City and County of Honolulu and the neighbor islands to ensure that landlords receiving state or federal rental subsidies comply with lead-based paint requirements.

It remains an on-going concern for HI-CLPPP that less than 30% of Hawaii's keiki are tested for lead. This low testing rate combined with lead poisoning's initially silent nature ensures that many children with lead poisoning are unrecognized and not receiving the services they require to minimize the devastating neurodevelopmental effects of lead poisoning. HI-CLPPP continues to work to raise awareness about childhood lead poisoning and to work with providers and families to increase blood lead testing rates.



### ***Environmentally Related Illness and Injury Reporting and Surveillance (Pesticides and Heavy Metals)***

Under the authority of Section 321-311, HRS, Environmentally Related Illness and Injury Surveillance, the HEER Office is required to collect information on Pesticide and Heavy Metal Poisoning. Maven, the electronic surveillance database, receives these results automatically using electronic laboratory reporting (ELR). Using the lab results in Maven, HEER is able to track children and adults with elevated levels of heavy metals including lead, arsenic, cadmium, mercury, and zinc, as well as abnormal markers of pesticide exposure. Tracking these cases allows HEER to analyze the data for geographic and demographic trends and provide individual case management support to doctors and families. HEER staff continues to work with Information Technology Specialists in other sections of DOH to maximize the functionality and efficiency of the Maven system.

The Hawaii State Legislature authorized a new Epidemiology position by Act 49, SLH 2017. The Epidemiologist II was just established in November 2022 and will develop, lead, and conduct epidemiological investigations to identify and investigate environmental health concerns by collecting, analyzing, interpreting, and reporting available health data to evaluate whether public health is being harmed. This epidemiology work will focus on environmental pollutants with an emphasis on assessing disproportionate impacts on vulnerable communities. The HEER Office is awaiting final approvals to recruit this position.

### ***Collaborations on Public Health Education and Outreach***

**Technical and Risk Communication Assistance** to the Department of Education (DOE) on environmental health issues including heavy metal contamination of soils, lead-based paint, mold exposures, drinking water contaminants and safe disinfection practices in the era of COVID-19.

**Hawaii Poison Center (HPC)** The HPC operates a 24/7 hotline to assist residents and health care providers. DOH receives data from the HPC on the number and types of acute pesticide poisonings. The HPC is mandated by legislation and is under the auspices of

the Hawaii State Emergency Medical Services and Injury Prevention System Branch. Annually, the center receives over 9,000 information and poisoning exposure calls from residents and health care providers throughout the state. Services are provided free of charge every day of the year, 24 hours a day by registered nurse specialists, pharmacists, and physicians specially trained in medical toxicology. The center is operated by the Rocky Mountain Poison Center, Denver, Colorado, an accredited regional poison center by the American Association of Poison Control Centers (AAPCC). The HPC provides 24/7 medical advice for management of suspected pesticide exposures and informs DOH on behalf of the providers. This system provides an enhanced and streamlined communication option for the providers. HEER Toxicologist, Dr. Diana Felton continues to work with the HPC on industrial, occupational, and environmental poisonings providing local technical support and collaboration.

**EPA's Children's Health Protection Advisory Committee (CHPAC)** HEER Toxicologist, Dr. Diana Felton continues to serve on EPA's Children's Health Protection Advisory Committee (CHPAC). The CHPAC is made up of 25 members including researchers, academicians, health care providers, environmentalists, state and tribal government employees, and members of the public who advise EPA on regulations, research, and communications related to children's health. Recent CHPAC topics have included environmental health and safety at schools, take home pesticides exposure, and EPA's America's Children and the Environment data resource. Dr. Felton's participation in the CHPAC ensures that Hawaii's children's environmental health priorities are represented to the EPA on a national level.

### ***HEER Guidance and Training***

**Technical Guidance Manual (TGM)** The HEER office updated the primary guidance used to assess health and environmental risk posed by contamination of soil, air and water. The document includes "Environmental Action Levels" (EALs) for over 200 chemicals commonly found at contaminated industrial, residential and agricultural properties. Additional investigation is normally required when concentration of a chemical in soil, water or air exceeds the EAL. Areas of the TGM updated in 2021 include the sections on Decision Unit characterization for sampling and methods for

sampling groundwater and surface water. In addition, the entire TGM was moved from an external server managed by a consultant to HEER's internal server, allowing for greater control and more frequent updating of the guidance.

**Chinese Academy of Sciences** Dr. Roger Brewer, a toxicologist and environmental scientist with the HEER Office continues his collaboration with the Chinese Academy of Sciences. Dr. Brewer has provided expertise and training related to Hawaii's Technical Guidance for the investigation of environmental contamination, including the translation of Hawaii's Technical Guidance into Chinese and expansion of the guidance to assist in the cleanup of heavily contaminated, industrial sites in China. Lessons learned from this collaborative work with environmental experts in China will be used to update and expand HEER Office guidance documents. The English translation of the Hawaii-China guidance has been proposed for publication as an international standard and is expected to be completed in 2022.

## **Site Discovery, Assessment, and Remediation Cleanup Highlights**

### **Continued Redevelopment of Contaminated Properties**

As the movement towards re-development of properties for housing across the State increases, the HEER Office continues to invest heavily in investigations of older regions of Oahu and the neighbor islands that have been targeted. For FY2022, the HEER Office accomplished its primary mission of discovery and oversight of assessment and cleanup activities on high and medium priority sites across the state, including privately owned, municipal, and state-owned properties and, federal military sites. New project managers have been trained and mentored to address the various site work required.

### **Sites Evaluated for Removal and Remedial Actions**

Property owners, responsible parties, and prospective purchasers frequently contact the HEER Office to report releases of hazardous substances, pollutants or contaminants as required by HRS 128D and to assess and manage hazardous substances, pollutants or contamination affecting properties in which they have an interest.

Our general state and federally funded remedial project managers (RPMs) evaluate information provided, determine the nature and extent of contamination and, if necessary, require removal or remedial actions to be taken to protect human health and the environment.

To date, 1863 state sites have been identified and investigated by the section including 31 consultations, 37 admin sites to track multiple interests, 25 RCRA lead sites. 777 sites received NFA determinations. Of these, 410 sites have been addressed and have no ongoing oversight requirements.

Four hundred and ten (410) of the NFA sites require Institutional Controls, and another 444 sites have remedies selected with long term management with restrictions in place to protect human health and the environment. HEER is in the process of reviewing records of sites closed prior to 2008 to assess current conditions and effectiveness of protective measures implemented at that time.

During FY2022, 47 new state sites were added with 11 active site discovery efforts and 36 redevelopment sites statewide. Five sites were given a no further action letter, including three sites which require ongoing institutional controls to manage residual risks. At the end of FY 2022, 1050 state sites remain open under active oversight and are being remediated or assessed for future action.

SDAR provides regulatory oversight of hazardous substance response actions for Department of Defense (DOD) service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum contaminated military sites are exempt under CERCLA and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

To date, 1,091 military sites have been identified and investigated by the SDAR section under the Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program. 572 sites received NFA determinations. Of these, 150 sites have been addressed and have no ongoing oversight requirements. Four hundred twenty-two (422) of the NFA sites require Institutional Controls, and another 146 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2022, 13 new sites were added to the DSMOA program. Two sites received NFA determinations, including one site that requires long term controls to manage residual contamination. 517 military sites remain open at the end of FY 2022 under active oversight and are being remediated or assessed for future action.

### **Responsible Party Cooperation**

The Hawaii Environmental Response Law, HRS 128D, requires responsible parties and property owners to investigate and clean up contamination under the regulatory oversight of the HEER Office. The HEER Office has the authority to issue orders to require investigation and cleanup of properties that pose an



imminent threat to human health or the environment. In instances where there is no responsible party, or the responsible party fails to take action, ERRF funds may be expended to complete cleanup activities to protect human health.

The HEER Office aims to collaborate with responsible parties and property owners in identifying potential hazards and directing potential investigations and cleanup activities. This partnership approach results in more successful and timely cleanups, while conserving fund monies. In 2019, Responsible Parties conducted the vast majority of investigation and cleanup actions on a voluntary basis, without a formal cleanup agreement in place.

A limited number of cleanup actions were conducted under one of three types of regulatory agreements with the HEER Office, described below.

### **Voluntary Response Program Key Oversight**

The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties and includes a cost recovery mechanism to offset HEER oversight costs. Under Chapter 128D, HRS, DOH has the authority to grant prospective purchasers or developers an exemption from future liability if cleanup is performed to DOH specifications under the program.

Past, current or future property owners can participate in this program, but exemptions from liability can only be given to future purchasers or tenants. Completion of the voluntary cleanup action is accompanied by a Letter of Completion (LOC) issued by the Department of Health and noted on the property deed. The most recent LOC was issued for the Waialua Sugar Mill site on the North Shore of Oahu in December 2018. The Iwilei Center site, which entered the VRP program in 2019 completed a Draft Response Action Memorandum in 2022, however, due to potential changes to the proposed future use, the HEER Office is working with the owner and the City and County of Honolulu to reevaluate the remedial alternatives for the site. The new proposed future use would include transit-oriented residential mixed-use development. The site is ideal based on its proximity to the future Iwilei Rail Station. To date, 35 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 28 LOCs for 26 sites, closed one site with a No Further Action (NFA) determination without liability relief, and seen five sites withdraw from the program.

Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities. Over the past year, investigations and remediation efforts were conducted at two VRP sites in the program, along with long-term management of sites that have received LOCs but where residual contamination left in place requires on-going management. Redevelopment of these sites requires additional coordination and oversight by the HEER Office to ensure compliance with LOC restrictions. In FY2022, three VRP sites required oversight to ensure compliance with land use restrictions, including the Iwilei Costco site, the Honolulu Wood Treatment site in Kapolei, and the BEI site in Iwilei.

### **Fast Track Program**

The HEER Office Fast Track Cleanup process provides a streamlined approach for property owners to conduct protective, independent cleanups of low and medium priority sites, and improve Hawaii's ability to focus on more serious and complex releases. The program provides expedited oversight initiated with a standardized application for sites with low environmental risks. Forms and information on Fast Track Cleanups (FTC) designed to enable landowners or other private parties to conduct a voluntary investigation or cleanup under a simple agreement with the HEER Office are located at:

[http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Fast%20Track%20Cleanup%20\(FTC\)%20Information](http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Fast%20Track%20Cleanup%20(FTC)%20Information)

The most notable Fast Track site to date has been the International Market Place where the remedial action required was completed and site has been fully re-developed. The No Further Action Letter with Institutional Controls was issued in FY17.

During the pandemic, interest in FTC dropped dramatically as redevelopment activities slowed dramatically. In FY22, the SDAR Section considered other ways to engage with stakeholders and those responsible parties whose projects had slowed or stopped. Outreach activities are being planned for spring summer and fall 2023 engagement opportunities with our stakeholders. With invitations to low priority site owners to educate and assist them with the Fast Track Cleanup process and our guidance and template documents to provide clear direction to help them get started again on their environmental activities with assistance from SDAR.

### Site Discovery Program

Discovery of historically contaminated sites that may pose a threat to current or future users is an important focus area for the HEER Office. HEER Office uses federal funding to locate and sample properties that may have invisible contamination that could cause harm, especially when sites are redeveloped to residential use, or if contaminated soils are excavated and re-used where children could be inadvertently exposed. The Site Discovery program was awarded a grant of \$275,000 for 2022 by the EPA.

Since 2007, the HEER Office Site Discovery program has investigated 131 sites statewide of which 53 sites required no further action based on initial assessment sampling and detailed historical reviews. 79 sites require further investigation. In FY2022, 11 additional sites were added, with two sites requiring no further action.

In FY2022, our Site Discovery focused on Hawaii Department of Education elementary schools, to further support their efforts to identify and manage contaminant concerns at all of their elementary schools statewide. Over the past two fiscal years, DOE has sampled at many elementary schools statewide and developed school specific EHMPs for all of their elementary schools to ensure school staff know what measures are needed to keep children safe from potential contaminant exposures. Our Site Discovery priority this year was to focus on remaining public elementary schools built before 1988 (the year organochlorine pesticides were banned for use in the US). These schools are listed by SDAR priority and recommendations to DOE.

**Paia Elementary Medium Priority** Lead and chlordane detected above EPA RSLs and DOH EALs. DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Kalaheo Elementary Medium Priority** Chlordane was detected well above EPA RSL and DOH EAL under two of three buildings. DOH advised DOE to conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Kilauea Elementary Medium Priority** Arsenic was detected above EPA RSLs and below DOH EALs. Results for DDT, aldrin, dieldrin and dalapon were detected below both the respective EPA RSL and DOH EALs. DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Makawao Elementary Medium Priority** Lead detected in crawl space of Building A's foundation above the PEA RSLs and DOH EAL. DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Kekaha Elementary Low Priority** Chlordane was detected well above EPA RSL and DOH EAL under a school classroom, which is off limits to students. DOH advised DOE to conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Koloa Elementary Low Priority** No samples collected due to low risk of exposure to soil in the footprint of a former building that had been treated with a variety of arsenic, organochlorines or chlorinated herbicides. DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Elsie H. Wilcox Elementary Low Priority** A release is suspected but samples were not collected due to low risk of exposure to soil in the footprint of the 12 concrete and hollow tile classroom buildings built in 1957.

**Eleele Elementary No Further Action (NFA)** DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Haiku Elementary NFA** DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-

based paint and/or banned pest control products were historically applied.

**Wailuku Elementary NFA** DOH recommended DOE conduct soil testing under and around foundations of structures being demolished or remodeled where lead-based paint and/or banned pest control products were historically applied.

**Waihee Elementary NFA** No samples were taken - Release of hazardous materials was suspected on the school grounds because of the long operating history of the 140-year-old elementary school buildings. Recent renovations and construction on the campus following DOH approved EHMP have reduced potential exposures to lead based paint and pest control products applied before 1990.

### **Site Discovery Scope and Data Collection Approaches**

Sites are identified by searching historical digital collections that include the Hawaii State Archives, the Hawaii State Public Library System's Hawaii and Pacific Collection, the University of Hawaii at Manoa Library Maps, Aerial Photographs and GIS website and national resources including the Library of Congress Sanborn Map Collection and the Chronicling America digital collection of Hawaii newspapers. These resources, plus locally administered plantation museums in each county provide maps, aerial photos, and oral histories to assist in locating areas formerly used to store, mix and load pesticides for distribution on sugarcane, pineapple and other agricultural industries.

The Site Discovery Program's primary focus has been on hidden hazards from the most important agricultural industries of Hawaii's past, sugarcane and pineapple. Arsenic was first used as an herbicide one hundred years ago in the sugar plantations in the state. In 1948 dioxin-containing herbicides began to be widely used as well. Since 2007 the HEER Office Site Discovery Program has searched for herbicide mixing and loading sites on every island to identify invisible contamination left behind by the historical operations at each plantation. Historic mixing sites have been identified under public housing projects, privately owned parcels with homes, planned subdivision projects, industrial areas and agricultural settings. Of the more than 30 confirmed herbicide mixing sites, only two landowners were aware of the possible contamination on the land they owned. This past year a mixing site on Kauai that stopped operating almost

20 years ago was discovered with high arsenic and dioxin in surface soils.

### **Site Discovery Focus Urban Redevelopment and Territory of Hawaii School Board Campuses**

Given the rapid rate of urban redevelopment, the scope of the Site Discovery Program is expanding to include assessments in urban areas rapidly transitioning from former industrial activities to residential neighborhoods. These communities include condominium towers, restaurants, shopping locations and transit stations to attract and service the new residents.

Kakaako Mauka was once a major industrial section of Honolulu. A wood treatment facility, foundries, dry cleaners, breweries, chemical distributors and manufacturer are just a few of the industries that operated in this area. We have noted that the Howard Hughes continues redevelopment activities without consulting with us about environmental assessment and implementation of DOH-approved contaminant management practices prior to initiating construction or other ground disturbing activities.

In addition, the HEER Office continues working with the DOE and the Hawaii National Guard to identify former firing ranges at high schools and former Hawaii National Guard shooting ranges that date back to 1915 to ensure lead contamination from these operations does not pose a threat to current students and other users.

Lead-based paint first used on Territory of Hawaii, Board of Education facilities from the 1920s-1970s continues to impact soil at many of Hawaii's school campuses. First identified in East Hawaii campuses like Naalehu, Keaau, Pahoa, and Waiakeawaena, investigations of lead and arsenic in soil indicates schools constructed prior to 1970 are likely to have elevated lead in soils. The Site Discovery Program will continue to investigate campuses in Hawaii, Maui, and Kauai County. Investigations are currently occurring in City and County of Honolulu by the DOE.

### **Hawaii's Unique Challenges**

As a small, isolated state in the middle of the Pacific, Hawaii faces unique challenges cleaning up contaminated properties. On the mainland, common cleanup solution is often removal and disposal of contaminated materials to a nearby waste facility, or

onsite treatment of contamination to reduce or remove hazards.

Unfortunately, limited available land for dedicated disposal facilities and the economics of transporting remedial equipment and waste across the Pacific constrain feasibility of both disposal and treatment options. As a result, Hawaii has relied on risk-based closures and on-site management of contamination for many sites as these are frequently much more feasible alternatives to implement. However, especially in the face of rapid land use changed redevelopment, Hawaii is facing the challenge on how to effectively control and how to keep the engineering and institutional controls in place over long periods and changing uses, and control soil export from those sites. Additionally, in our low-lying coastal regions, future sea level rise has the potential to reduce the effectiveness of engineering and institutional controls and mobilize previously contained environmental hazards.

### **Refining the Proactive Approach to Contamination State-wide**

The biggest challenge we face in the HEER Office is that the majority of recently reported releases are the result of historic industrial and fuel handling activities, and tend to occur most frequently in industrial centers, harbors, airports, pipeline corridors and historic chemical use and storage facilities. Managing sites individually as releases are reported means that HEER often finds out after a problem or release issue has occurred.

In response to these issues, the HEER Office has begun to adopt a broad, proactive strategy to address the discovery, interim management and remediation of sites statewide. The strategy consists of three components:

1. Programmatic/Areawide Environmental Hazard Management Plans (EHMPs)
2. Extensive Public Outreach, Material Development
3. Site and Document tracking by the public via iHEER & Notification System Use
4. Automated DigClean Alerts to County permittees receiving approvals for ground disturbing activities in areas where known or presumed contamination in present. The system directs the permittee to site-specific hazard information at their proposed work site and telephone or email assistance on

protective measures needed to safely manage potentially contaminated soils or groundwater.

The combination of these four components allows the HEER Office to address potential sites before they become issues by providing the public at-large with as much information and guidance as possible about potential hazards before contamination or potential contamination is encountered. Our priority is provide consistent, publicly available information about local and areawide contamination concerns that property owners, tenants, developers and prospective purchasers can use to keep their tenants, contractors and the public safe from contamination exposures on their properties.

Notification and tracking allow the HEER Office to flag sites with known historic contamination entering the redevelopment process before construction starts. This enables early intervention by the HEER Office during the planning process of development rather than having to stop construction that can lead to costly delays. It also prevents unintended exposure of construction workers and the general public.

Lastly, the development of a C-EHMP streamlines information gathering about the proposed project and distills contaminant management to essentials, while prescribing expected minimum hazard management procedures. The template will reduce time and costs in preparation of the document and will more effectively protect human health and the environment by adding minimum handling standards and tracking of companies involved in the project.

This enables HEER to maintain its services to the public. Here is a brief description of the three components:

### **Programmatic/Areawide Environmental Hazard Management Plans (EHMP)**

There are several areas throughout the State that we know have significant contamination being left in place after remedies have been selected and implemented. As the residual contamination may still pose a potential risk to utility and construction workers performing sub-surface maintenance and development activities, guidance has been developed and provided to these entities to protect their workers as they do work in these contaminated areas. This is the primary role of areawide EHMPs and they address areas where 1) the type of contamination is known through several

site-specific investigations in the area and 2) the contingency plans for handling the type of contamination in question is well defined. By providing information regarding management of the various media (soil, groundwater, soil gas) up front, all entities performing intrusive work in the area will be prepared and equipped to manage any hazard they may encounter. This also provides better worker safety and reduces the number of incidents that our emergency responders must address.

### Extensive Public Outreach & Material Development

Environmental Hazard Management Plans and other types of institutional controls are only as effective as the amount of awareness affected parties have. Public outreach and continuing education to all relevant parties (utilities, lenders, contractors, State departments, etc.) is required to reinforce what needs to be done and maintain site safety. Meeting with the various stakeholders annually allows the HEER Office to get its safety message out consistently and frequently. HEER Office outreach materials for the various types of contamination (UXO, arsenic, petroleum) on sites are developed and regularly updated keep these important messages fresh in the minds of the public.

During FY2022 the HEER Office maintained outreach to other State Departments and City and County Departments involved in Construction and Design such as DOT Airports and City and County of Honolulu Department of Design and Construction, and General Contractors aiming at raising awareness of proper contaminant handling at the engineer and planning level. The HEER Office assisted DOT Airports with the ongoing implementation of the DOH-approved Programmatic EHMP to manage contamination encountered at all State-owned airports. In addition, the HEER Office reviewed and provided comments on DOT Airports updated bid specs regarding the handling and management of contaminated media during construction projects. At the same time the HEER Office continues to raise awareness on the construction worker level by providing Contaminant Awareness Training. In FY2020, HEER first published a C-EHMP template and a C-EHMP Addendum, which may be used for construction projects at sites with an existing, HEER Office approved long-term EHMP. The use of these templates has resulted in more appropriate and cost-effective preparation of C-EHMPs. Revisions to these templates will be completed as the need arises.

To assist developers, landowners, and contractors better understand the steps to properly identify and manage contamination during their projects, the HEER Office has prepared Fact Sheets for property owners. The Fact Sheet focuses on providing guidance on identifying and managing contaminated media. These Fact Sheets help provide information so developers, landowners, and contractors can comply with appropriate environmental rules and regulations, better estimate project costs, avoid project work stoppage with better planning for anticipated encountering of contamination during construction, and describes steps to take when contamination is encountered.

### Site and Document tracking by the public via iHEER & Notification System Use

iHEER is the HEER Office's site management and document repository system. SDAR sites can be located on a map-based viewer by the public, site information viewed, and many documents directly downloaded. Some restrictions on site viewability and document download apply due to site security or ongoing investigations. iHEER can be accessed via the following link: <https://eha-cloud.doh.hawaii.gov/iheer#!/home>



*iHEER viewer with site centroids (green dots) and EHMP/IC Boundaries (red fields)*

iHEER development has made significant progress during the last FY. After last year's Public Record document migration from the previous system, development of the system focused on further development of the site viewer, grouping, and labeling

sites for specific categories. For better site identification site centroids and site boundaries were separated into different layers. Additional layers were added to be able to track site controls such as site-specific EHMPs, Areawide EHMPs, and temporary Construction EHMPs. For internal management, a layer was added to include site-specific features. Site with controls and sites without controls can also be separately viewed.

1,028 Brownfield sites have been tagged and are searchable via a query. Sites affected by an anticipated 3.2 feet of sea-level rises (SLR) and anticipated acute flooding (3.2 feet of SLR plus 1 percent annual chance of flooding) have been tagged and can be queried.

Lastly, iHEER has been updated with a feature that imports the previous status prior to migration from the previous database and updates the status based on either uploaded new documents, document transfer, or a manual override.

This fiscal year, SDAR staff continued to update site data for individual sites with the addition of site centroids and property boundaries, EHMP boundaries, and site features. All new incoming documents are processed in iHEER now and are directly accessible thereafter. The immediate access to all documents by staff turned out to be especially advantageous during allowed teleworking as a result of the COVID-19 pandemic.

### **Honolulu Rail Transit Project**

As drivers along H-1 see every day on their morning commutes, the rail project is becoming a reality. The Honolulu Rail Transit Project (H RTP) guideways are springing up across the landscape and pre-construction activities are occurring all along the route. The HEER Office maintains close regulatory oversight of the H RTP to ensure any contamination encountered during construction is managed safely, efficiently and in accordance with state law.

The H RTP includes construction of 21 rail stations, installation of hundreds of columns to support 20 miles of elevated guideways, extensive utility relocations, a large rail car maintenance and storage facility, and several park and rides.

During FY2022, construction slowed or stopped at five westernmost stations. Additionally, guideway construction accelerated in the industrialized area near

the airport, and preconstruction activities associated with utility relocation continued throughout the City Center part of the project. Both the Airport and City Center Guideway Areas are located within densely populated regions of Oahu in areas with much higher potential for contamination than the western segments. HDOH is particularly concerned with an area along Dillingham where Honolulu Authority for Rapid Transportation (HART) contractors encountered very high volatile concentrations during geotechnical boring several years ago. The Dillingham section rail alignment has been shifted to the mauka side of the Dillingham, due to the hazards and density of utilities buried under the roadway.

To address environmental concerns in accordance with the Programmatic EHE-EHMP, oversight of the H RTP continues to require close coordination between the HEER Office SDAR Section and multiple other regulatory authorities. During FY2022, the SDAR Section worked closely with the Solid and Hazardous Waste Branch (SHWB), the Clean Water Branch (CAB), and the HEER Office's EP&R Section on the H RTP.

### **DOT – Airports Collaboration on Airport Rail Construction**

The Hawaii Department of Transportation, Airports Division (HDOT) continued to be a valuable partner in FY2021. Their close oversight of construction within their property boundaries has alerted HDOH to several issues. The partnership allows HDOH contractors to access portions of the construction to do audits and construction to ensure compliance with the Programmatic EHE-EHMP. The coordination with HDOT has helped HDOH ensure construction continues safely, while collecting data that will help HDOT continue the investigation after HART returns the site to HDOT. The HEER Office continues to work closely with DOT-A to remediate legacy and new issues with petroleum releases and PFAS contamination.

### **EPA Brownfields Funding Supports Rail Cleanup and Assessment of City Center Sites**

NTS – City Center Group 1-5 Phase IIs in conjunction with characterizations of properties HART has not acquired.

Last fiscal year, HDOH had a joint meeting with HART to discuss project details and upcoming reviews associated with two Brownfields grants HART received. A cleanup grant was awarded to investigate disposal options for soil and groundwater at the future Iwilei

Station site and an assessment grant targeted 99 properties for Phase I Environmental Site Assessments in the City Center Area. This year, additional sites have been added to the cleanup grant work. For the HECO Site (Downtown Station Makai Lot), a Sampling and Analysis Plan was approved, samples were collected and HEER reviewed and provided comment on the Phase II Site Assessment Report.

In FY 2017, HART also began attending regular status conferences between HART and a large property owner. There is an agreement between HART and the property owners stating that the owners will investigate and remediate the property and then relinquish ownership to HART. The property in question is key to a large parking structure and new highway access ramps near the Rail Operations Center. Although HDOH had been working directly with the property owner since November 2014 with the goal of closing the site, characterization and remediation kept stalling. In FY2021, we were finally able to close the second portion of the site and are in the process of closing the other two portions of the property in FY 2022.

### **Unexploded Ordnance (UXO) Issues Throughout the State**

UXO continues to be one of the main contaminants of concern throughout the State. Over the past two decades, dozens of UXO investigations have taken place throughout the State at both active military installations and Formerly Used Defense Sites (FUDS), highlighting the number and severity of the UXO problem. Many of the areas that have been and are currently being investigated are in or near residential areas (Waimea/Kamuela, Waikoloa Village, Maku'u/Popoki) and/or in areas heavily trafficked by the public (Maunawili Trail, Hapuna Beach, Bellows Air Force Base, Molokini, 'Ahihi Kina'u, etc.). Since there is no way to ensure 100% clearance of a UXO site, these sites present a potential danger to the public at-large. The HEER Office has continued to work with Department of Defense counterparts to address UXO concerns and inform the public of hazards.

As pandemic-related travel restrictions eased in FY2022, the HEER Office began participating again in outreach with the United States Army Corps of Engineers (USACE) to discuss UXO safety with the public at sites on Hawaii Island and on Molokai and began making plans to participate with USACE in future outreach in FY2023 on Oahu, Lanai, Maui, and Kauai as

well. The HEER Office also continued utilizing the services of Terradex, Inc. to monitor excavation notifications in the Waikoloa Maneuver Area and a follow-up to the FY2021 direct-mailing to stakeholders in the Waikoloa Maneuver Area on Hawaii Island is scheduled to by identify new property-owners for targeted mailings of information about the 2019 Area-wide Environmental Hazard Management Plan (AEHMP) to address UXO hazards and provide safe guidance for redevelopment. Outreach and stakeholder participation meetings were also conducted for Air Force sites at Bellows Air Force Station on Oahu and for Hawaii Army National Guard sites on Maui.

In FY2022 the HEER Office continued its regulatory oversight of munitions response activities by the Department of Defense (DoD) throughout the state. Several munitions response site projects at Bellows Air Force Station, Waikoloa Maneuver Area, and the Navy's Lualualei are proceeding following re-evaluation of previous investigations at the request of HDOH and in light of new munitions response guidance from EPA. At some of these sites, Advanced Geophysical Classification (AGC) techniques and equipment are being implemented and evaluated. While the HEER Office has expressed some doubts about AGC in the past, the preliminary data is showing that the technology has some promise. Although AGC is not practical or functional for all sites in the state, in some areas it is showing promise in reducing the number of false-positive detections associated with the high iron content in Hawaiian soils. HDOH has continued to push DoD to find improved technology to address the munitions hazards in Hawaii, particularly underwater munitions that litter many offshore islets and near shore areas. Overall, munitions from former military training activities throughout the state continue to pose significant hazards that require HDOH oversight, particularly as development activities such as solar farms and residential housing expand into impacted areas.

At Pu'u Pa'a, adjacent to the Waikoloa Maneuver Area on Hawaii Island, in FY2022 the U.S. Army Garrison completed field work for a Time Critical Removal Action (TCRA) on close to 3,000 acres. The TCRA was requested by HDOH after 14 unexploded ordnance (UXO) items were discovered by a farmer installing fencing across the property. The field work involved removal of UXO from the surface of the site where an additional 46 UXO items, ranging in size from small

fuze components and 37mm projectiles to 155mm high-explosive Mk I/III projectiles, were removed. Additional work to address sub-surface munitions at the 3,000 acres and the remaining 10,000+ acres of Pu'u Pa'a will continue to be conducted by the Army in accordance with CERCLA with oversight by the HEER Office.

### **Brownfields Re-development of Various Properties Across the State and Counties**

Land re-use and re-development is critical when living on an island and to facilitate that, the HEER Office has dedicated its time and resources to assist private parties in their endeavors. In addition to these projects, the HEER Office has assisted the City and County of Honolulu in researching potential parcels for use as transitional housing.

The HEER Office has had a longstanding relationship with DBEDT and continues to assist DHHL, DOT, DOE, and other State departments in providing guidance and oversight for their projects. The HEER Office assisted County of Kauai with their successful application for the EPA Brownfields Community-Wide Assessment Grant. The County of Kauai was granted \$300,000 to be used to revitalize and help underserved populations in the County of Kauai. Their planning and work under this grant is currently underway and expected to be completed by September 2023. The Brownfields grant funding will support efforts to assess and clean-up contaminated and abandoned industrial and commercial properties.

### **High Priority State Sites**

A key role of the HEER Office is to identify sites where current or projected exposures to hazardous chemicals could pose a threat to public health or the environment. These sites receive high priority designations. In 2018 there were 66 high priority sites in the Hawaii State Response Program. Examples of major progress on high priority sites are described below:

#### **Kapalama Container Yard Development**

The Kapalama Container Yard project is a massive re-development project on both land and sea. The area was utilized by multiple and various tenants after it was transferred to the State from the Army in 1983 when it was known as the Kapalama Military Reservation. Historic information regarding the former

military reservation indicated petroleum, heavy metal, and PCB contamination on-site. An investigation was performed prior to construction and an EHMP was implemented on the site. Given the vast amount of soil and concrete that needs to be moved or disposed of, the HEER Office has worked closely with DOT's contractor Kiewit and the Solid Waste Section to ensure that the material being generated is being handled in accordance with state regulations.

During this fiscal year, the Kapalama Container Yard Project progressed to the next phase- the development of the Wharf Area and dredging in the harbor. A new Construction Environmental Hazard Management Plan (C-EHMP) was prepared by the DOT Harbor's contractor Kiewit to address project-specific environmental concerns for this phase of the project for the on-land portion. The basic management and handling procedures of the original environmental hazard management plan (EHMP) still apply, but they are refined by the C-EHMP Addendum.

The primary focus in FY22 was to safely manage dredge spoils the USCG dredged to allow needed draft depths to access the Kapalama Project. DOT-Harbors assisted USCG by dewatering the dredge materials on site with concurrence from DOH and proper re-use or disposal of spoils with concentrations exceeding DOH EALs.

### **Iwilei Areawide Contamination**

Because of extensive historic petroleum contamination in subsurface soils dating back to territorial days, Honolulu Harbor remains one of HEER's top priorities. This fiscal year, the HEER office focused on the effects of remaining fuel on methane generation in groundwater and vapor from these sites which could pose a long-term problem for the State. While most of the petroleum plumes appear stable and not migrating in the area, the remaining petroleum is a carbon source for methane producing microbes. Methane production appears to be affected by rising water levels which may be exacerbated in the future with sea-level rise. Rising water and seawater levels bring less oxygen to the subsurface and may result in increased hydrogen sulfide gas and methane production. Further, methane (and hydrogen sulfide gas) in vapors is controlled by barometric pressure changes which become very important with increase in frequency of storm events. Increase and severity of flooding, sea-level rise, and storm events is expected to rise in the future as a result of climate change,



which all may increase methane and hydrogen sulfide gas issues and cut pose significant health problems and risk of fire and explosions. The HEER office is currently investigating the magnitude and distribution of this problem and has initiated response actions with responsible parties. Identified problematic areas include active petroleum fuel terminals, areas of previous pipelines, and historic petroleum handling and storage facilities. Work is underway at a number of high priority sites, including:

### **BHP GASCO Benzene Site/Dole Cannery Building Site, Oahu**

The BHP Gasco Site was the most hazardous site in the State with high benzene concentrations in soil and groundwater as a result of releases from former gas manufacturing activities. The site is situated next to the Dole Cannery Building and is being remediated under a consent agreement signed in March 2004. The BHP Gasco Site has completed active remediation and source reduction and has been re-developed into a warehouse. Engineering and institutional controls have been implemented and the site together with the neighboring Dole Cannery Building is currently under a combined long-term monitoring program for groundwater, soil vapor, and indoor air monitoring after a warehouse was newly and underlain by an impermeable vapor barrier and a sub-slab ventilations system. Semi-annual monitoring was conducted during this fiscal year but will likely transition to annual monitoring next fiscal year due to overall lowered concentrations of benzene at the site. However, the site needs to be closely monitored for potential changes in the redox system and potential associated methane and/or other short chain hydrocarbon production. Iwilei District Participating Parties (IDPP) Enforceable Agreement for Areawide Contamination.

The Iwilei District Participating Parties (IDPP), LLC, has completed intensive investigation and early cleanup actions for their areas of responsibility in Honolulu Harbor. Public participation and remedy selection are now complete for all major Operable Units (OU).

IDPP has implemented the remedies and response actions required by DOH to manage residual petroleum contamination in subsurface soils. These include free product removal, infrastructure repairs and a variety of institutional and engineering controls required to ensure long-term protectiveness of the remedies for future generations and the nearby marine environment. Site-specific EHMPs have been

developed for OU1C and the old Hilo Hattie property. EHMPs are being developed for the rest of the OUs (1A, 1B, 2) as well as the OU3 properties within Nimitz Highway. OU-1C received a No Further Action Determination with Institutional Controls (NFA-IC) in August 2018 and a refined methane survey has been completed. An EHMP has been completed for the site. In FY21, DOH and IDPP have focused on the long-term monitoring and controls needed at OU1B to address current and future risks as part of the final EHMP development for the site. IDPP maintains that the proposed 20 to 30-year monitoring period approved in the remedy for this operable unit to safely manage the historic petroleum spilled into the subsurface is no longer necessary, given short-term monitoring conducted previously for 2 to 3 years. Given changing ocean and atmospheric conditions due to climate change and sea level rise, long-term monitoring measurements to understand temporal changes cannot be replaced by short-term sampling completed years ago. These dynamic conditions in harbors and shorelines can increase methane generation and release, posing threats in the short term and in the future due to sea-level rise, increasing king tides, flooding and increasing storm frequency.

HEER works to stay up to date on changing environmental hazards, and adjusts remedies when data show new risks to human health and the environment are present. We hope to resolve the needed sampling approach for OU1B early in FY22 and begin collecting data that will assess methane generation hazard conditions and determine what actions are needed to ensure methane concentrations generated at this and other similar sites don't pose health or explosive risks. We also look to resolve the long-term responsibility and liability for management of historic petroleum spills in the subsurface has also not been clarified between the IDPP potential responsible parties.

### **Oversight of Department of Defense Superfund Sites on the National Priorities List**

#### **Joint Base Pearl Harbor-Hickam**

Multiple Basewide Preliminary Assessments (PA) have been conducted by the Navy to identify and evaluate sites potentially impacted by per- and polyfluoroalkyl substances (PFAS). The primary focus of the PA was to identify areas that may have been impacted by historical and/or current use of aqueous film-forming

foam (AFFF) or other PFAS-containing products and to make prioritized recommendations as to which sites will be investigated in a site inspection (SI). Draft SI Work Plans have been submitted for regulatory review. Pearl Harbor Sediment Study, Pearl Harbor Naval Complex (PHNC).

The Navy continues to implement remedial actions, under CERCLA, that were described in a Record of Decision signed in September 2018. The selected CERCLA remedial actions include a combination of dredging, placement of a thin layer of clean material to enhance natural recovery (ENR), monitored natural recovery (MNR), and in-situ treatment with activated carbon (AC).

A Memorandum to File Regarding Record of Decision (ROD) for Pearl Harbor Sediment and Disposition of Sediment has been submitted by the Navy to address sediment that is not subject to a remedial action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and therefore, not subject to the Off-Site Rule. The sediment from these areas would be eligible for consideration for ocean disposal evaluation. The Navy has also submitted a Draft Final Environmental Monitoring and Management Plan and Remedial Action Work Plan for regulatory review.

### **Pearl City Fuel Annex (PCFA), Pearl City Peninsula, Pearl Harbor Fleet Industrial Supply Center (PHFISC)**

The PCFA site is located within the Pearl Harbor Naval Complex, on the Pearl City Peninsula, which is between the Middle and East Lochs of Pearl Harbor. Originally constructed in 1944, the site was used as a fuel storage complex where tanks historically stored fuel including jet propellant, motor gasoline, aviation gasoline, ballast, waste oil, and liquid purge waste. Actual operations at the PCFA ended in 2006.

Multiple historical petroleum releases have occurred at the site and aqueous film-forming foam was used during a 1985 fire that rendered former Tank #1 inoperable. Past maintenance activities at the former industrial facility generated various waste streams, including used sandblast grit, tank-bottom sludge, and tank condensate. Previous environmental investigations have documented past waste disposal practices, which included discharging sludge and tank condensate directly to the ground surface. This practice was discontinued but resulted in the release of metals and polynuclear aromatic hydrocarbons (PAHs) to the ground surface. A Remedial Investigation

concluded that subsurface soil contamination was generally associated with subsurface petroleum releases and not associated with surface contamination releases. Contaminants of Potential Concern previously detected in site subsurface soils were volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), PAHs, and metals. Metals, TPH, and PAHs have previously been detected in groundwater above site screening levels. All former structures within the PCFA have been demolished. A Draft Remedial Investigation Addendum Work Plan has been submitted by the Navy for regulatory review. The principal objectives are to address data gaps in the current conceptual site model and data are needed to evaluate the nature and extent of contamination to assess whether exposure to site contamination could pose unacceptable risks to human health and the environment. The data gaps in the conceptual site model require data to be collected to address the following: whether soil and groundwater have been impacted by the historical use and storage of per- and polyfluoroalkyl substances (PFAS) at the site; whether soil vapor has been impacted by COPCs at concentrations that represent a potential vapor intrusion hazard for hypothetical receptors in future site buildings; and whether COPC concentrations in groundwater have significantly changed since the last groundwater sampling event in 2011. A risk assessment will be conducted to determine whether exposure to soil, groundwater, and soil vapor poses unacceptable risks to current and hypothetical receptors.

### **Naval Computer and Telecommunications Area Master Station (NCTAMS)**

Final Five-Year CERCLA Review for NCTAMS PAC National Priorities List Sites, JBPHH, Lualualei Annex and Wahiawa Annex was submitted in August of 2020. All remedies were functioning as intended and remain protective of human health and the environment.

On June 25, 2020, the Department signed the Record of Decision for the East Gulch Disposal Area (EGDA), JBPHH Wahiawa Annex, Oahu, Hawaii. The ROD documents the decision made by the Navy and USEPA, with the concurrence from HDOH, that this site is a part of the NCTAMS Pacific National Priorities List (NPL) was deemed No Further Action (NFA). The final decision had been selected in accordance with CERCLA, as amended by Superfund Amendments and Reauthorization Act (SARA), and to the extent practicable, the National Oil and Hazardous Substances

Pollution Contingency Plan (NCP), and the Office of the President of the United States Executive Order 12580 (EO 1987).

The final remedy was chosen after a Time-Critical Action Removal (TCRA) was performed and completed in March of 2017. Approximately 930 tons of CERCLA-regulated non-hazardous soil and 69.11 tons of waste debris were removed and disposed of from the steep-walled gulch slope. It was reported that the EGDA was used as a disposal site for municipal refuse, construction debris and inert objects (metal debris, e.g., washing machine and a truck) from the early 1940s to 1973. These waste materials were pushed over the edge of the gulch, impacting the slope's surface and subsurface soils and likely contamination of the surface water and sediment in Poamoho Stream. Upon completion of the TCRA, confirmation sampling for the areas of concern indicated that there is no unacceptable risk for human health and the environment at the EGDA site. Of the site's chemicals of potential concern (COPCs); polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), chlorinated pesticides, total petroleum hydrocarbons (TPH), and metals, the residual concentration of analytes that remain were well below the cleanup action levels (2017 EPA Regional Screening Levels for Residential Soil and the HDOH 2017 Environmental Action Levels for Soils) and will not pose adverse effects under an unrestricted use/unlimited exposure (UU/UE) scenario.

While the groundwater is a potential source of drinking water, the impacts were evaluated but deemed insignificant due to the relatively stable nature of the COPCs and the groundwater's approximation, 900 ft below ground surface.

Poamoho stream, located at the base of the site, was sampled during the 2015 SI (Site Investigation) Addendum. Surface water and sediment were collected and analyzed from upstream, midstream and downstream but did not contain concentrations of COPC's greater than the project screening levels. The runoff from rainfall was not considered to be a significant exposure pathway. Runoff would quickly drain away from the site due to the gulch's steep terrain.

Though the sampling confirmed that the soils met the requirements for residential, unrestricted use, the Navy has not indicated a change in use of the EDGA

site since it is in an inaccessible, undeveloped area that is located on a steep gulch.

Site restoration and slope stabilization (introduction of hydro mulch) were implemented on the upper and mid portions of the gulch slope where most of the contamination was discovered. In addition, a three-wire cable barrier was installed at the top of the gulch, along with posted signs that reads, "No Dumping" and "No Trespassing Government Property" to discourage unauthorized entry and illegal dumping activities. A secondary barrier was also installed to prevent vehicle access to the north hiking trail.

Multiple Basewide Preliminary Assessments (PA) have been conducted by the Navy to identify and evaluate sites potentially impacted by per- and polyfluoroalkyl substances (PFAS). The primary focus of the PA was to identify areas that may have been impacted by historical and/or current use of aqueous film-forming foam (AFFF) or other PFAS-containing products and to make prioritized recommendations as to which sites will be investigated in a site inspection (SI). Draft SI Work Plans have been submitted for regulatory review.

State Oversight of Key Federal Facilities Not listed on the National Priorities List:

**Pacific Missile Range Facility, Barking Sands, Kauai**  
Basewide Preliminary Assessments (PA) have been conducted by the Navy to identify and evaluate sites potentially impacted by per- and polyfluoroalkyl substances (PFAS). The primary focus of the PA was to identify areas that may have been impacted by historical and/or current use of aqueous film-forming foam (AFFF) or other PFAS-containing products and to make prioritized recommendations as to which sites will be investigated in a site inspection (SI). Draft SI Work Plans have been submitted for regulatory review.

**Joint Base Pearl Harbor-Hickam**  
Non-Base Realignment and Closure (non-BRAC) areas of the Former Naval Air Station Barbers Point  
Navy Munitions Command East Asia Division Pearl Harbor, Lualualei Annex.

A base-wide preliminary assessment was conducted to identify and evaluate sites potentially impacted by per- and polyfluoroalkyl substances (PFAS) releases at non-NPL areas of JBPHH and associated non-NPL properties, Navy Munitions Command East Asia

Division Pearl Harbor, Lualualei Annex, and non-BRAC areas of the Former Naval Air Station Barbers Point, Kalaheo. The primary purpose of the preliminary assessment was to identify areas that may have been impacted by historic and/or current use of aqueous film-forming foam (AFFF) or other PFAS-containing products, and to make prioritized recommendations as to which sites will be investigated in a site inspection (SI).

### **Marine Corps Base Hawaii and Associated Facilities**

A base-wide preliminary assessment was conducted to identify and evaluate sites potentially impacted by per- and polyfluoroalkyl substances (PFAS) releases at Marine Corps Base Hawaii (MCBH) and at associated annexes including Marine Corps Base Camp H. M. Smith, Manana Housing, Marine Corps Training Area Bellows (MCTAB), and Puuloa Range Training Facility. The primary purpose of the preliminary assessment was to identify areas that may have been impacted by historic and/or current use of aqueous film-forming foam (AFFF) or other PFAS-containing products, and to make prioritized recommendations as to which sites will be investigated in a site inspection (SI).

### **State Oversight of Military Munitions Response Program (MMRP) Sites**

The MMRP was created in 2001 and involved all branches of the military creating an inventory of formerly used/closed ranges across the country and its territories. These sites were put into the CERCLA process and are currently being addressed by the respective branches. Sites on properties that are no longer under the control of DoD and were transferred prior to October 17, 1986 are handled by the US Army Corps of Engineers under the Formerly Used Defense Sites (FUDS) Program. Half of the MMRP sites currently under investigation in the State are part of the FUDS program (14 active projects). Some of the most prominent MMRP sites are listed below:

### **Waikoloa Maneuver Area**

The Waikoloa Maneuver Area is one of the largest FUDS in the nation (currently the entire site is approximately 185,000 acres which includes approximately 120,000 acres identified as potential munitions use areas), with a cost of over \$700 million to complete investigation and cleanup. With a \$10 million annual operating budget for the Waikoloa Maneuver Area is \$10 million; it will take decades to fully investigate and remove explosive hazards. The site is divided into 22 different munitions response

areas/sectors. In the past few years, the US Army Corps of Engineers has attempted to pivot toward clearing areas of the Waikoloa Maneuver Area that are high-use residential and commercial areas and in areas proposed for new residential construction. Over the past year, the Corps of Engineers has completed most of the remediation field work for the DHHL Lalamilo property, which is expected to reach site closure in FY2023. USACE also conducted a Historical Data Review (HDR) to evaluate previous UXO clearance work conducted in Area BOQJ during a series of Non-Time-Critical Removal Actions (NTCRAs) between 2002 and 2016. The HDR was prepared in support of a Remedial Design (RD) for the entire 4,000+ acre BOQJ Munitions Response Site (MRS). The HDR determined that USACE had low confidence in the ability of the previous work to meet the current project objectives of protectiveness of the public. Therefore, the RD, which includes parts of Waimea/Kamuela Town, Lalamilo Farm Lots, DHHL's Lalamilo property, and communities along Kawaihae Road, will likely expand the acreage requiring additional remediation from what was specified in the Decision Document. USACE has already discovered over a dozen UXO items in "previously cleared" areas of BOQJ, including along the stream near DHHL's Lalamilo housing project and in other residential areas. These additional investigations were instigated by HEER Office concerns about USACE's reliance on NTCRA data in selecting remedial alternatives. Other FUDS munitions sites that the HEER Office oversaw in FY2022 include Papohaku Ranchlands on Molokai and Oahu Island Targets on Oahu's North Shore.

### **Lalamilo/Area BOQJ, Waikoloa Maneuver Area**

The Department of Hawaiian Homelands (DDHL) Lalamilo parcel is located almost entirely within the MRS that was previously designated at BOQJ-Cleared. The Lalamilo parcel had been included in a Removal Action to reduce the UXO concentration in 2005 although there were a few small areas of the site that had not been "cleared" and were considered exception areas. Therefore, USACE has not yet been able to issue a Final Remedial Action Report (RAR) for Area BOQJ-Cleared and Lalamilo. This RAR is necessary for HDOH to issue a No Further Action of Conditional No Further Action with Institutional Controls (CNFA w/ICs) status to the site in order to satisfy U.S. Department Housing and Urban Development (HUD) financing restrictions which are disproportionately impacting DHHL beneficiaries. A 2016 Decision Document for Area BOQJ-Cleared required USACE to remove munitions

and explosives of concern (MEC) from the surface and subsurface of unobstructed areas where removal had not previously been completed. However, in around 2018/2019, HDOH began to have concerns about some of the previous Removal Action work performed in the WMA based on MEC and munitions debris that were encountered at other “previously cleared” parcels in Area P. Therefore, HDOH asked USACE to conduct a Post Remediation Verification investigation of those “previously cleared” areas at the Lalamilo parcel and other BOQJ-Cleared areas before issuing the RAR. Consequently, USACE revised their plans for the Remedial Action at BOQJ-Cleared and redirected the funding for that project to re-clear 160 acres within the Lalamilo parcel using a combination of new Advances Geophysical Classification (AGC) and traditional analog survey methods. This field work began in 2021 and continued through FY2022. During this field work, nine additional UXO items, mostly hand-grenades, were discovered in the “previously cleared” acreage that DHHL has planned for residential development. The HEER Office has been involved in decision making steps throughout the Lalamilo investigation, in part because it is employing new AGC technology that has yet to be proven effective in Hawaii but so far is showing great promise. To further address HEER Office concerns about the rest of BOQJ-Cleared, USACE initiated a Remedial Design (RD) to evaluate the previous Removal Action work across the entire 4,481-acre MRS. In 2021, as part of the RD, USACE completed a Historical Document Review that determined USACE had low confidence in all nine of the previous Non-Time Critical Removal Actions that had included Areas BOQJ-Cleared and BOQJ-Remnants, primarily due to lack of adequate quality control documentation. In FY2022, USACE began RD investigations that include a combination of transect investigations, grid investigations, and 100% surface and subsurface investigations across the combined BOQJ MRS using a combination of AGC and analog technologies. This RD investigation is anticipated to include most areas of the DHHL Lalamilo parcel that were not included in the Remedial Action, such that a thorough clearance of the parcel is anticipated which should result in HUD funding becoming available for DHHL beneficiaries. In areas where USACE cannot state with confidence that all UXO have been removed, HDOH will have to issue a CNFA w/ICs status that requires UXO Construction Support during development. The HEER Office has requested that USACE provide UXO Construction Support as a Land Use Control in such instances but so far without success.

### **Sector 15/Pu’u Kapu, Waikoloa Maneuver Area**

Sector 15 is another area within the WMA that is mostly owned by DHHL. It includes DHHL’s Pu’u Kapu neighborhood and portions of Kuhio Village. DHHL beneficiaries in this area have also been impacted by HUD restrictions limiting their financing options. In 2018, USACE issued a Remedial Investigation (RI) report for Sector 15 and Sector 16 (an area primarily north of Kawaihae Road) along with a report for Areas A, F and G of the WMA. The HEER Office had concerns with some of the information presented in these reports and with some of the data collection methods and prepared comments on the reports in early 2019. For Sector 15, the RI had recommended no further action but stipulated that UXO may still be present. The HEER Office recommended that since the potential presence of UXO had not been ruled out, USACE should provide UXO Construction Support for any ground-disturbing activities to ensure protectiveness of residents and land users or otherwise complete a clearance of the entire site. USACE delayed responding to comments provided by the HEER Office and their contract to complete the RI expired. Consequently, activity at Sector 15 was put on de facto hold until FY2022 when USACE issued a new contract to complete the RI. The HEER Office has been working with USACE to develop the work plan for the completion of the RI, currently scheduled for FY2023. New changes to EPA munitions response RI guidance and additional historical use information provided in the recently finalized (August 2022) Preliminary Assessment report for the WMA are expected to help resolve some of the issues regarding Sector 15. Forward progress to complete remedial activities and satisfies HUD requirements at Sector 15 are one of the top three priorities in the WMA.

In FY2022, the HEER Office also oversaw remedial investigation activities at several sites at the Navy’s Luualalei Annex and at a former bazooka range the Marine Corps’ Camp Smith on Oahu. Additionally, the HEER Office worked closely with the Air Force to oversee the munitions response at three sites in the Bellows Air Force Station on Oahu’s east side and a Time-Critical Removal Action by the Army Garrison at Pu’u Pa’a on Hawaii Island. Long-term management and Interim Risk Management of munitions sites that have completed remediation with residual risk of munitions remaining or that are still awaiting munitions response were also conducted in FY2022. Munitions sites under long-term management include

Waikane Valley, Makua, Waikakalau, and former shooting ranges at Schofield Barracks and Fort Shafter. Interim Risk Management sites include Molokini Island, Lanai Bombing Targets, and Puu Makakilo Training Area.

### **Pu'u Pa'a**

In FY2022 the US Army Garrison- Hawaii completed a Time-Critical Removal Action (TCRA) at the request of HDOH on approximately 3,000 acres of Pu'u Pa'a/ Pu'u Pa'a former Army training site is located within the boundaries of the former Waikoloa Maneuver Area but is not part of the FUDS Program. The site was not relinquished back to the private property owner until the 2000s, therefore, the clean-up of this site is the responsibility of the US Army Garrison-Hawaii, rather than the US Army Corps of Engineers. In March of 2018, the HEER Office requested TCRA to address 2,800 acres of the property currently used by a goat farmer and his family, as well as modifications to the Remediation Alternatives presented in the Draft RI/FS. In 2017, the farmer had encountered 14 UXOs while constructing a fence on the property. The TCRA was limited to removal of UXO items on the surface within the Removal Action area and resulted in the discovery and disposal of .46 UXO items and over 15,000 tons of munitions debris. Remedial Action is still required to address the remaining UXO in the subsurface and in the rest of the 13,500-acre Pu'u Pa'a site. This work will be evaluated in the Feasibility Study and proposed plan for the site. In the interim, the Army Garrison is providing limited UXO Construction Support for

activities within Pu'u Pa'a, which is owned primarily by Parker Ranch.

### **Bellows Air Force Station**

In 2020, the HEER Office reviewed remedial action plans for several sites at Bellows Air Force Station in Waimanalo and noticed that the remedial investigations for munitions and explosives of concern had not been adequate to delineate the nature and extent of munitions hazards at the sites. The Air Force modified their plans to incorporate educational outreach and fencing to warn the community of the potential hazards, but this proposal met resistance from the community. In 2021, the HEER Office worked with the community and the Air Force, as well as several legislative and congressional representatives to look at alternatives and the Air Force agreed to re-investigate the site in order to gather more data to better estimate the risk posed to the community at the site and then to reassess the remedial alternatives. In August 2022, the Air Force will complete field work of the former Urban Warfare Training Area located between the Bellows Air Force Station entrance at Waimanalo Stream and Hunananiho Beach Park. This Remedial Design investigation involves transects across a percentage of the site to re-evaluate the nature and extent of UXO items in the area that had previously had a Removal Action Clearance. Simultaneously, at the request of the HEER Office, the Air Force will investigate a portion of its Large Bomb Range site that includes its recreational beach and camping areas that had not previously been investigated.

### Sites Eligible for Possible Listing Under CERCLA

Three Hawaii sites are listed on the EPA National Priority List (NPL). Costs for site investigation and cleanup are being borne by the responsible parties. The state is not obligated to contribute to cleanup or future operation and maintenance costs.

<u>List of EPA NPL Sites - FY2022</u>			
	<u>Island</u>	<u>Locality</u>	<u>Facility/Site Name</u>
1	Oahu	Kunia	Del Monte Corp (Oahu Plantation)
2	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMSPAC Center Street
3	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Complex

<u>List of Sites Eligible for Possible Listing Under EPA CERCLA - FY2022</u>			
	<u>Island</u>	<u>Locality</u>	<u>Facility/Site Name</u>
1	Oahu	Waialua	Waialua Sugar Company Inc and Waialua Sugar Mill Settling Ponds
2	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road
3	Oahu	Honolulu	Kapalama Incinerator and Kapalama Incinerator Off Site Contamination
4	Molokai	West Molokai	Kalamaula Landfill
5	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond
6	Oahu	Kailua	Honolulu Skeet Club
7	Oahu	Honolulu	Pukoloa Wood Treating Site

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### The Hawaii State Response Program (HSRP) Chemical Release Notification Log

The Hawaii State Response Program Release Notification Log shows a listing of all chemical and petroleum release notifications received by the HEER Office Emergency Preparedness and Response team during the fiscal year. The Release Notification Log is sorted in order of Island, Locality, and the Case Name.

The FY2022 Release Notification Log lists 440 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 293 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 266 cases requiring on-site visits or off-scene coordination. 70 cases were referred to other agencies.

HEER Office SOSCs actively participated in 28 oil and chemical release drills working with various commercial and response organizations.

#### HEER Office Emergency Response Actions - FY2022

<u>Release Notifications*</u>	<u>Oil-Related Responses</u>	<u>Other</u>	<u>Direct On-site or Off-site SOSC Oversight</u>	<u>Cases Referred</u>
440	293	147	On-site: 43 Off-site: 223	To HEER SDAR: 14 To Other Agencies: 56

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HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
1	Oahu	Australian Destroyer Spill from Auxiliary Tank	20210701-1452	Diesel Oil/Marine Gas Oil	Ocean
2	Oahu	Aircraft CargoTrans Air Flight 380 Down	20210702-0340	Jet Fuel/Kerosene	Ocean
3	Oahu	1810 University Ave Contamination Discovery	20210702-0912	Lead	Soil
4	Hawaii	Tote of Acid Spill on Highway	20210702-1658	Sulfuric acid	Asphalt
5	Maui	Hammerhead Metals Scrap Metal Fire	20210704-1304	Solid Waste	Within Facility
6	Oahu	abandoned Propane cylinders along Puuloa Road	20210706-1046	Compressed Gas Cylinder	Soil
7	Hawaii	Alleged poor housekeeping at Miranda Trucking & Construction, LLC. base yard	20210706-1047	Oil	Soil
8	Oahu	Oil slick on Coral Street, Kakaako	20210707-1001	Oil	Asphalt
9	Hawaii	large container labelled "flammable" floating in waters off Big Island	20210707-1553	Container	Ocean
10	Oahu	Honolulu International Airport Aircraft N805FT Wastewater Spill	20210712-1226	Wastewater	Within Facility
11	Oahu	Abandoned Pressurized CO2 Cylinder, Honolulu	20210713-0820	Compressed Gas Cylinder	Air
12	Oahu	Diesel Spill, Pier 24 Pacific Shipyards Honolulu Harbor	20210713-1208	Diesel Oil/Marine Gas Oil	Ocean
13	Oahu	Discharge of Motor Oil from a Container off of a Truck	20210714-0937	Lube Oil/Motor Oil	Storm Drain
14	Oahu	Unknown Sheen at Ala Wai Small Boat Harbor	20210715-1041	Oil	Ocean
15	Oahu	Abandoned Leaking Oil Container Ala Wai Harbor	20210715-1940	Oil	Ocean
16	Oahu	Pearl Harbor Kilo 10 Wharf/Pier F76 Pipeline Release	20210716-2125	Diesel Oil/Marine Gas Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
17	Hawaii	Potential Illegal Dumping Solid Waste	20210717-1504	Cement	Ocean
18	Oahu	Potential Diesel Release Vessel Grounding Keehi Small Boat Harbor	20210717-1554	Diesel Oil/Marine Gas Oil	Ocean
19	Oahu	Hydraulic Oil Spill in Parking Lot	20210719-1220	Hydraulic Oil	Asphalt
20	Oahu	Cooking oil spill on Pearl Harbor pier	20210719-1708	Edible/Vegetable Oil	Concrete
21	Oahu	Oil discovered during telephone pole installation on Hanua Street, CIP	20210720-1349	Oil	Groundwater
22	Oahu	Lead-Based Paint removed from structures	20210721-1351	Lead	Soil
23	Oahu	Chemical and Pesticide Complaint	20210721-1709	Gas	Air
24	Oahu	Pepsi high fructose corn syrup spill	20210722-0800	Molasses	Asphalt
25	Hawaii	Sunken Vessel at Hilo Bay Break Wall	20210722-1551	Diesel Oil/Marine Gas Oil	Ocean
26	Kauai	Overturned 14' boat 1 mile out from Anini Beach, Kauai	20210723-0132	Gasoline	Ocean
27	Oahu	Hydraulic oil spill, Grace Pacific Makakilo Quarry	20210723-1708	Hydraulic Oil	Gravel
28	Oahu	Sewage spill Honolulu International Airport	20210725-1808	Sewage	Storm Drain
29	Maui	Leaking vehicle gas tank Kahului, Maui	20210726-1140	Gasoline	Asphalt
30	Oahu	Medical Waste Needles Discarded at Pier 1 Parking Lot	20210727-1026	Container	Within Facility
31	Oahu	Transformer Oil Release 10003302 Pad Mounted Waipahu	20210727-1622	Transformer Oil	Soil
32	Hawaii	Hawaii Petroleum AST Off-Road Diesel Release	20210728-0410	Diesel Oil/Marine Gas Oil	Within Facility
33	Oahu	Kiewit Hydraulic Release from Excavator	20210728-1216	Hydraulic Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
34	Hawaii	Kailua-Kona Avis UST Pull Contamination Discovery	20210730-1331	Gasoline	Soil
35	Oahu	PAR Oil Release from Liquid Level Gauge	20210730-1346	Crude Oil	Soil
36	Oahu	Bubbles at White Plains Beach	20210801-0610	Odor	Ocean
37	Oahu	Greenish foam in water	20210801-0850	Odor	Ocean
38	Oahu	Jet Fuel Spill Gate E7 Honolulu Airport	20210802-1316	Jet Fuel/Kerosene	Concrete
39	Maui	Unknown Release Kahului Harbor	20210802-1548	Unknown	Ocean
40	Oahu	Oil Contaminated Soil Alakawa Street Honolulu Board of Water Supply	20210804-0935	Oil	Soil
41	Oahu	Oil Release HART Project at Honolulu Airport	20210804-1531	Oil	Soil
42	Hawaii	HECO Transformer Oil Release 10003275 Paauilo, HI 96776	20210805-1054	Transformer Oil	Soil
43	Oahu	Unknown Black Soot-like Substance Found in Water	20210807-0612	Powder	Ocean
44	Oahu	PE Pipes on Fire Near Sand Island Access Rd	20210808-0732	Container	Air
45	Oahu	Oil Spill Lagoon Drive Honolulu (HART)	20210809-1810	Oil	Asphalt
46	Oahu	Black Soot Like Material on Water	20210810-1138	Powder	Ocean
47	Oahu	Oil Pipeline Spill PAR Hawaii	20210810-1207	Oil	Soil
48	Oahu	Paint Spill by Honolulu Hale	20210810-1227	Liquid	Storm Drain
49	Oahu	Hydraulic Oil Spill from Drill Rig	20210810-1535	Hydraulic Oil	Soil
50	Oahu	Subsurface black oil discovery at HECO's Iwilei Substation	20210811-1105	Oil	Soil

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
51	Oahu	Diesel Spill from Generator Overflow	20210811-1436	Diesel Oil/Marine Gas Oil	Storm Drain
52	Hawaii	WAIKEA WATER BOTTLING CO. Potential Release	20210812-1143	Wastewater	Ocean
53	Hawaii	Tank No 100 Jet A fuel Release	20210813-0907	Jet Fuel/Kerosene	Gravel
54	Oahu	Potential Gasoline Release Vessel Capsized Near Waianae Boat Harbor	20210814-1002	Gasoline	Ocean
55	Molokai	MECO Pole-Mounted Transformer #15468 Release	20210816-0913	Mineral Oil/Transformer Oil	Soil
56	Oahu	Possible Health Issues from an Old Burnt House	20210816-1321	Odor	Air
57	Maui	Jet A Spill Hawaiian Airlines Gate 23	20210816-2137	Jet Fuel/Kerosene	Concrete
58	Oahu	Spray Painting Cars without Protection	20210817-0855	Liquid	Air
59	Oahu	Latex Paint Spill on Waiakamilo Road	20210817-1327	Liquid	Storm Drain
60	Oahu	Fuel Spill at Honolulu Airport Gate E3	20210817-1503	Jet Fuel/Kerosene	Storm Drain
61	Oahu	Oil Sheen Drydock 1 Pearl Harbor	20210817-1743	Oil	Ocean
62	Oahu	Unknown Sheen in Haleiwa Small Boat Harbor	20210818-0828	Unknown	Ocean
63	Oahu	HECO Transformer Release From #66555, #66556, #66557	20210818-0948	Mineral Oil/Transformer Oil	Soil
64	Hawaii	HELCO Release Transformer #122810	20210818-1436	Mineral Oil/Transformer Oil	Soil
65	Oahu	HECO Pad Mounted Release Transformer #70325	20210819-0612	Mineral Oil/Transformer Oil	Soil
66	Oahu	HECO Pad-mount Transformer #65298 Release	20210819-1637	Mineral Oil/Transformer Oil	Soil
67	Oahu	HECO Pole-mount Transformer #58667 Release	20210819-1655	Mineral Oil/Transformer Oil	Soil

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
68	Molokai	MECO Pad-mount Transformer #17496 Release	20210819-1704	Mineral Oil/Transformer Oil	Soil
69	Oahu	Bubbles and film on water @ White Plains Beach, Kalaeloa	20210820-0600	Liquid	Ocean
70	Oahu	Unknown Sheen Ala Wai Boat Harbor	20210820-1012	Oil	Ocean
71	Oahu	USCG hydraulic oil spill, Sand Island	20210824-0933	Hydraulic Oil	Ocean
72	Oahu	Fuel spill Pearl Harbor Bravo Piers 13 & 15	20210824-1619	Diesel Oil/Marine Gas Oil	Ocean
73	Oahu	Abandoned oil drums and buckets, Kalaeloa	20210826-0832	Oil	Asphalt
74	Oahu	Abandoned oil drums and buckets, Kalaeloa	20210826-0832	Oil	Asphalt
75	Hawaii	Forklift Leaking Oil Within Commercial Property	20210826-1532	Hydraulic Oil	Concrete
76	Oahu	Boat sank at a house pier in Koko Marina	20210828-1049	Gasoline	Ocean
77	Oahu	Transformer Spill Bldg x107 Tripler Army Medical Center Honolulu	20210830-1338	Transformer Oil	Soil
78	Oahu	HECO Release Transformer #64945	20210830-1545	Mineral Oil/Transformer Oil	Soil
79	Oahu	Hydraulic oil spill Grace Pacific Makakilo Quarry	20210831-1306	Hydraulic Oil	Gravel
80	Oahu	Oil Spill Port Royal B 25 Pier JBPHH	20210901-1757	Oil	Ocean
81	Oahu	Lube oil spill (1 quart) Towing Vessel Barbers Point Harbor	20210902-1138	Lube Oil/Motor Oil	Ocean
82	Oahu	Oil Sheen Spill Sunken Boat Waianae Harbor	20210902-1213	Oil	Ocean
83	Oahu	Possible Leaking Drum at Shipyard	20210902-1340	Lube Oil/Motor Oil	Soil
84	Oahu	Capsized Sailing Vessel	20210903-1534	Other	Ocean
85	Oahu	Potential Oil Spill; Vessel Aground and Sunk Keehi Lagoon	20210905-0059	Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
86	Oahu	Bubbles & filmy substance at White Plains Beach	20210907-0600	Liquid	Ocean
87	Maui	Transformer Oil Release 10004037 Piilani Shopping Center Kihei	20210907-1619	Transformer Oil	Concrete
88	Maui	Hydraulic Oil Release in Lahaina Small Boat Harbor	20210908-1922	Hydraulic Oil	Ocean
89	Oahu	HECO Release Pole Mounted Transformer #75106	20210909-0745	Mineral Oil/Transformer Oil	Soil
90	Oahu	Diesel Release in Honolulu Harbor, Pier 24	20210910-1010	Diesel Oil/Marine Gas Oil	Ocean
91	Oahu	Capsized Vessel in Kaneohe Bay	20210911-1111	Gasoline	Ocean
92	Oahu	Vessel Capsized Near Pipeline	20210911-1900	Gasoline	Ocean
93	Oahu	Potential Release from Aground Vessel Near Chinaman's Hat	20210911-1903	Diesel Oil/Marine Gas Oil	Ocean
94	Oahu	Hawaiian Airlines' hydraulic oil spill	20210913-1356	Hydraulic Oil	Concrete
95	Maui	Disposal of Chemicals From CWB	20210913-1500	Various Chemicals	Within Facility
96	Oahu	HECO Transformer Kahe # 1 Main	20210913-1800	Mineral Oil/Transformer Oil	Gravel
97	Hawaii	HELCO pole-mount leaking transformer #33303	20210914-1357	Mineral Oil/Transformer Oil	Soil
98	Oahu	Alleged leaking drums of rancid cooking oil	20210914-1543	Edible/Vegetable Oil	Soil
99	Oahu	Abandoned compressed-gas cylinder, Makaha	20210915-1214	Compressed Gas Cylinder	Soil
100	Oahu	Par Hawaii East LSFO Release	20210915-1651	Low Sulfur Fuel Oil (LSFO)	Soil
101	Oahu	Paint spill Middle Street	20210916-1023	Liquid	Concrete
102	Oahu	Vessel Sinking Keehi SBH	20210920-1010	Oil	Ocean
103	Kauai	DOE Transformer Release at PMRF	20210920-1722	Mineral Oil/Transformer Oil	Soil



HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
104	Kauai	Hydraulic Oil Spill with HarTung Brothers	20210921-1438	Hydraulic Oil	Soil
105	Oahu	PAR Hawaii LSFO Release from Condensate Line	20210922-1246	Low Sulfur Fuel Oil (LSFO)	Soil
106	Oahu	Unknown Sheen at Ala Wai Harbor	20210922-1257	Unknown	Ocean
107	Oahu	Kahala Resident Chemical Odor Complaint	20210922-1407	Odor	Air
108	Oahu	Potential Oil Release from Catamaran, Pokai Bay	20210922-1449	Liquid	Ocean
109	Maui	MECO Pad-mount Transformer #7842 Release	20210923-0752	Mineral Oil/Transformer Oil	Soil
110	Oahu	PAR Black Oil Release from Product Line	20210923-1541	Low Sulfur Fuel Oil (LSFO)	Soil
111	Oahu	Elevated Lead and Chlordane at 1331 River St	20210924-1054	Lead	Soil
112	Oahu	Pick-Up Truck Fell into Moanalua Stream	20210928-1141	Gasoline	Stream
113	Hawaii	Unknown Sheen in Honokohau Harbor	20210928-1412	Unknown	Ocean
114	Oahu	Wahiawa Fire Inquiry	20210928-1443	Gasoline	Soil
115	Hawaii	Big Island Energy Co. tanker incident	20210929-1255	Jet Fuel/Kerosene	Soil
116	Oahu	Mile-long black splash trail on H1	20210929-1350	Liquid	Concrete
117	Hawaii	HELCO Pole-mount Transformer #40348 Release	20210930-1417	Mineral Oil/Transformer Oil	Soil
118	Oahu	Kiewit hydraulic oil spill, Sand Island	20211001-1119	Hydraulic Oil	Ocean
119	Oahu	HART accidental cutting of natural gas line	20211001-1202	Gas	Air
120	Oahu	Containers labelled paint stripper abandoned on side of road, Kailua	20211001-1306	Liquid	Vegetation
121	Oahu	Unknown Sheen in the First Row of Ala Wai Harbor	20211002-0650	Unknown	Ocean
122	Oahu	Possible Chemical Dumping in Stream	20211002-1001	Pesticides	Stream

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
123	Oahu	Unknown Sheen Discovered in Ala Wai Boat Harbor	20211002-1820	Unknown	Ocean
124	Oahu	Potential Release from A Grounded Vessel in Kaneohe Bay	20211004-0429	Gasoline	Ocean
125	Hawaii	Alleged Waste Oil and Asbestos Dumping	20211004-1533	Oil, Waste	Stream
126	Oahu	Hydraulic Hose Rupture from Truck	20211005-0826	Hydraulic Oil	Soil
127	Oahu	Abandoned Buckets of Paint on Private Residence	20211006-0942	Container	Drum/Container
128	Oahu	Kiewit Hydraulic Line Rupture, Sand Island	20211007-1011	Hydraulic Oil	Ocean
129	Oahu	HECO Excavation Finds Black Oil Along Pearl Harbor Bike Path	20211007-1450	Oily Water Mixture	Groundwater
130	Oahu	HECO Pad-mount Transformer #56776 Release	20211008-0545	Mineral Oil/Transformer Oil	Soil
131	Kauai	Sailboat "Shanti" grounding, Nawiliwili Harbor	20211011-0658	Oil	Soil
132	Oahu	Agriculture Water Runoff	20211013-1028	Liquid	Stream
133	Oahu	Oily Water Release at Aulani Resort	20211013-1530	Oily Water Mixture	Storm Drain
134	Oahu	Sulfur Dioxide Release (Inside)PAR Hawaii Kapolei	20211015-0334	Sulfur dioxide	Air
135	Hawaii	Chlorine Gas Release Marriot King Kamehameha Kona Beach Hotel	20211015-0929	Chlorine	Air
136	Oahu	Oil Spill from Vessel, Ala Wai Harbor	20211016-0521	Oil	Ocean
137	Oahu	UH Transformer Leaking Oil	20211018-1129	Mineral Oil/Transformer Oil	Soil
138	Oahu	HART Highlands Median Soil Excavation	20211018-1547	Oil	Soil
139	Oahu	Snug Harbor Kiewit Hydraulic Oil Release	20211019-1036	Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
140	Oahu	Abandoned Pipeline Discovered at Construction Site	20211020-0800	Liquid	Soil
141	Oahu	Leaking 55-Gallon Drum on Kahuku Coastline	20211023-1133	Container	Ocean
142	Oahu	Unknown Sheen in Honolulu Harbor	20211024-0741	Unknown	Ocean
143	Oahu	Capsized Unmanned Vessel	20211025-0301	Container	Ocean
144	Oahu	Diesel Oil spill by USCG Honolulu Harbor	20211025-0959	Diesel Oil/Marine Gas Oil	Ocean
145	Oahu	Unknown Sheen in Ala Wai Small Boat Harbor	20211027-0846	Unknown	Ocean
146	Oahu	Abandoned container of used oil at Hau Bush	20211027-1457	Used Oil	Drum/Container
147	Oahu	Lost Chunk of High Explosive Material, Malaekahana	20211028-0904	Container	Ocean
148	Maui	Grounded sailboat "Moana" Olowalu, Maui	20211028-2255	Diesel Oil/Marine Gas Oil	Coral
149	Oahu	Abandoned FAA Flight Service Station (IFSS)	20211102-0948	PCBs	Soil
150	Oahu	Hydraulic Oil Release from An Excavator	20211103-0840	Hydraulic Oil	Soil
151	Oahu	Vessel Code Blue Sinking	20211103-1803	Diesel Oil/Marine Gas Oil	Ocean
152	Oahu	Surfboard Fire Questions	20211105-1442	Fumes	Air
153	Maui	Pleasure Craft Sinking	20211105-1815	Gasoline	Ocean
154	Oahu	HECO Pole-mount Transformer #80644 Release	20211108-1636	Mineral Oil/Transformer Oil	Soil
155	Kauai	Petroleum contamination discovered at water tank demolition, Anahola	20211109-1524	Diesel Oil/Marine Gas Oil	Impermeable Surface
156	Oahu	Oil Contaminated Soil Hickam JBPHH	20211110-0757	Oil	Soil
157	Oahu	USNS Fall River hydraulic oil spill, Pearl Harbor pier V5	20211110-1031	Hydraulic Oil	Ocean

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158	Oahu	Unknown Sheen at Barbers Point Harbor	20211112-0846	Unknown	Ocean
159	Oahu	Radon Concerns in Hawaii	20211112-0957	Gas	Air
160	Oahu	Trash Spilled from Dump Truck on Sand Island Access Road	20211112-1008	Solid Waste	Concrete
161	Oahu	HECO Pole Mounted Transformer Oil Spill #67882, Release ID10005028 Honolulu	20211112-1504	Transformer Oil	Soil
162	Oahu	Jet A Spill Gate C3 Daniel K. Inouye International Airport	20211112-2045	Jet Fuel/Kerosene	Ocean
163	Maui	Vessel Sunk (19', Pleasure Craft )Potential Oil Spill Maui	20211114-1216	Oil	Ocean
164	Oahu	Pearl Harbor Unknown Sheen at Dry Dock 1	20211117-0910	Unknown	Ocean
165	Oahu	Signature Flight Support Fuel Spill During Transfer	20211117-1324	Jet Fuel/Kerosene	Concrete
166	Kauai	Solid Waste Dump on Hanalei Property	20211118-1238	Solid Waste	Soil
167	Oahu	Sheen from Boat at Keehi Lagoon	20211118-1321	Gasoline	Ocean
168	Oahu	55-Gallon Drum Washed Up on Punaluu Beach	20211118-1828	Container	Ocean
169	Hawaii	Unknown Sheen at Honokohau Harbor	20211120-1242	Unknown	Ocean
170	Oahu	Hydraulic Oil Spill Outside of Signature Flight Fuel Yard	20211120-1619	Hydraulic Oil	Asphalt
171	Oahu	Red Hill Fire Suppression Pipeline Oil and Water Release	20211120-2330	Jet Fuel/Kerosene	Concrete
172	Oahu	Release from Small Vessel in Pearl Harbor	20211121-1100	Gasoline	Ocean
173	Maui	Strong/heavy odor in area, Ha'iku	20211128-1132	Gas	Air

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174	Oahu	Military house's tap water smells like petroleum	20211128-1353	Water	Other
175	Oahu	Navy Water System Incident	20211128-1848	Jet Fuel/Kerosene	Other
176	Oahu	Possible Wastewater Discharge into Kaneohe Bay	20211129-1036	Wastewater	Ocean
177	Oahu	Chemical odor in tap water at military housing	20211129-1037	Water	Other
178	Oahu	Drinking Water Concerns with Foul Taste and Strong Smell	20211129-1932	Oil	Other
179	Oahu	Suspected Oil Spill Vessel Pokai Bay	20211129-2305	Oil	Ocean
180	Oahu	Contaminated Soil Aliamanu Military Reservation	20211130-1630	Oil	Soil
181	Hawaii	Potential Illegal Pesticide Application	20211201-1143	Pesticides	Soil
182	Maui	Oil Spill Piilani Village Shopping Center Maui	20211201-1410	Oil	Asphalt
183	Maui	Contaminated Soil Lahaina Resort Maui	20211201-1610	Oil	Soil
184	Oahu	Release from An Air Compressor at Waiau Power Plant	20211203-0904	Lube Oil/Motor Oil	Ocean
185	Oahu	Diesel Fuel Spill from a Fumigation Truck	20211203-1028	Diesel Oil/Marine Gas Oil	Asphalt
186	Oahu	Reported Petroleum in Drinking Water at Private Residence	20211203-1231	Unknown	Other
187	Oahu	Possible Chemical Dumping at Residence	20211203-1450	Liquid	Soil
188	Oahu	Contaminated Aquifer Report	20211204-0913	Oil	Groundwater
189	Oahu	Unknown Sheen at Ala Wai Small Boat Harbor	20211204-1634	Diesel Oil/Marine Gas Oil	Ocean
190	Oahu	Drinking Water Concern	20211204-1852	Fuel Oil	Other

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	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
191	Maui	110' Sailing Vessel aground due to weather	20211206-0115	Oil	Ocean
192	Maui	Vessel "Kea" 925803 grounding due to weather	20211206-0243	Oil	Ocean
193	Oahu	40' Sailboat Broke Free due to weather	20211206-0410	Oil	Ocean
194	Oahu	25' Boat's Bow Stuck Under Dock 325 due to weather	20211206-0411	Oil	Ocean
195	Oahu	25' Boat near Shore due to weather	20211206-0412	Oil	Ocean
196	Oahu	Spill Kit container found in Koko Marina	20211206-0930	Container	Ocean
197	Oahu	Sinking boat, Ala Wai boat harbor	20211206-1105	Oil	Ocean
198	Maui	Possible Release from Grounded Vessel Off of Charley Young Beach	20211206-2200	Diesel Oil/Marine Gas Oil	Ocean
199	Maui	MECO transformer release 27551, 27550, 27549	20211208-1331	Mineral Oil/Transformer Oil	Asphalt
200	Oahu	HECO transformer #60007 release	20211208-1609	Mineral Oil/Transformer Oil	Concrete
201	Oahu	Vessel being righted released petroleum, Makani Kai Marina	20211208-1617	Oil	Ocean
202	Oahu	HECO transformer #47956 release	20211209-0832	Mineral Oil/Transformer Oil	Concrete
203	Oahu	HECO transformer #90116 release	20211209-0835	Mineral Oil/Transformer Oil	Soil
204	Oahu	Boat sank at Ko Olina Marina slip	20211209-1007	Oil	Ocean
205	Oahu	USCG Cutter Midgett hydraulic oil spill	20211210-1430	Hydraulic Oil	Ocean
206	Oahu	Unknown Sheen in Hawaii Kai Marina	20211210-1632	Unknown	Ocean
207	Oahu	Vessel Sinking at Ko Olina Marina	20211210-1721	Lube Oil/Motor Oil	Ocean
208	Oahu	Hart Stockpile Sample Above EALs	20211213-0937	Oil	Soil
209	Oahu	Sheen Reported at Hotel Pier	20211213-1039	Oil	Ocean



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210	Hawaii	HELCO Release Transformer #38778	20211215-0933	Mineral Oil/Transformer Oil	Soil
211	Maui	Solid Waste Dumping Kihei	20211215-1201	Solid Waste	Soil
212	Maui	MECO Release Transformer #11838	20211216-1115	Mineral Oil/Transformer Oil	Soil
213	Maui	MECO Release Transformer #9578	20211216-1122	Mineral Oil/Transformer Oil	Soil
214	Maui	MECO Release Transformer #9580	20211216-1130	Mineral Oil/Transformer Oil	Soil
215	Maui	MECO Release Transformer #23079	20211216-1609	Mineral Oil/Transformer Oil	Soil
216	Oahu	Diesel Release at Kalaeloa Harbor	20211217-1028	Diesel Oil/Marine Gas Oil	Asphalt
217	Kauai	Hydraulic Spill at Hartung Brothers Property	20211217-1511	Hydraulic Oil	Soil
218	Hawaii	Mothballs allegedly applied against wild pigs, Hilo	20211219-1512	1,4-Dichlorobenzene	Air
219	Hawaii	Hawaii Petroleum Release from Tanker Truck	20211220-0800	Diesel Oil/Marine Gas Oil	Concrete
220	Maui	Tar-like Substance at Pioneer Mill Property	20211220-1055	Liquid	Soil
221	Oahu	Kapalama Marine Terminal Project sheen discovery	20211222-1426	Oil	Groundwater
222	Oahu	Soil Above the EALs Detected at a Construction Stockpile	20211222-1553	Oil	Soil
223	Oahu	Contaminated Soil Discovered While Excavating	20211222-1623	Oil	Ocean
224	Maui	Smoke Coming from Maui PD Server Room	20211224-0922	Gas	Air
225	Maui	Suspected Oil Spill Kihei	20211225-0740	Oil	Storm Drain
226	Hawaii	Suspected Illegal Junkyard in Pahoa	20211227-1443	Oil	Soil
227	Oahu	Release of Hydraulic Oil from County Tire Loader	20211228-0928	Hydraulic Oil	Stream

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228	Oahu	Trail of Unknown Oil Along North Street, Pearl Harbor	20211228-1527	Lube Oil/Motor Oil	Asphalt
229	Oahu	Benzene Exposure at A Refinery Wastewater Treatment Facility	20211229-0850	Benzene	Air
230	Oahu	Grace Pacific Hydraulic Spill from Cold Planar	20211229-1109	Hydraulic Oil	Asphalt
231	Oahu	Oil Water (Bilge) Spill HMS Stey	20211229-1725	Oily Water Mixture	Ocean
232	Oahu	Unknown oil sheen	20211231-1650	Lube Oil/Motor Oil	Asphalt
233	Oahu	Bilge Slop Release	20220101-0913	Oily Water Mixture	Ocean
234	Oahu	Vessel Sinking at Makani Kai Marina	20220103-1015	Diesel Oil/Marine Gas Oil	Ocean
235	Hawaii	Capsized Vessel Outside of the Breakwater Near Hilo Harbor	20220105-1120	Diesel Oil/Marine Gas Oil	Ocean
236	Oahu	Fire Hydrant Being Run into Storm Drain	20220105-1638	Water	Storm Drain
237	Oahu	Small Mercury Spill in an Apartment	20220105-1700	Mercury	Within Facility
238	Hawaii	HELCO Pole-mount Transformer #27355 Release	20220106-1414	Mineral Oil/Transformer Oil	Soil
239	Hawaii	HELCO Pole-mount Transformer #27117 Release	20220107-0819	Mineral Oil/Transformer Oil	Soil
240	Oahu	Unknown Sheen at Barber's Point Harbor	20220110-1603	Unknown	Ocean
241	Hawaii	Hoku Kai Biofuel release, Hilo Bay	20220110-1741	Biodiesel	Ocean
242	Oahu	Unknown Sheen in Honolulu Harbor by Pier 2C	20220111-0801	Unknown	Ocean
243	Hawaii	HELCO Release Pole Mounted Transformers# 32637, 32634, 32507	20220111-1609	Mineral Oil/Transformer Oil	Soil
244	Oahu	Unknown Sheen Reported in Ala Wai Canal	20220112-1421	Unknown	Ocean

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245	Oahu	Alleged tap water contamination, Kapiolani Boulevard	20220112-1635	Unknown	Other
246	Oahu	HECO fallen pole with 3 transformers (No.'s 53737, 58793, 58792), Waianae	20220112-2105	Mineral Oil/Transformer Oil	Other
247	Kauai	Pesticide Disposal Questions	20220114-0221	Pesticides	Within Facility
248	Oahu	Grease Trap Overflow on Beretania	20220114-1236	Oily Water Mixture	Concrete
249	Oahu	Boat grounding Coconut Island, Kaneohe Bay	20220114-2132	Diesel Oil/Marine Gas Oil	Ocean
250	Kauai	Malathion odor, Kilauea, Kauai	20220118-1147	Malathion	Air
251	Oahu	Gasoline Spill from Truck in Makiki	20220120-0706	Gasoline	Asphalt
252	Oahu	Chlordane contamination discovery at Bachman Hall, UH Manoa	20220121-1534	Chlordane	Soil
253	Hawaii	HELCO transformers 38742, 38738, 38741, Kona	20220121-1637	Mineral Oil/Transformer Oil	Asphalt
254	Oahu	Unknown Sheen Ala Wai Harbor Honolulu	20220121-1838	Oil	Ocean
255	Oahu	Oil Spill FedEx Honolulu Airport	20220124-0114	Oil	Concrete
256	Oahu	Natural Gas Leak Kalani St. Honolulu	20220124-1213	Natural Gas	Air
257	Maui	Transformer H327650-72P-S Oil Spill Wailuku Substation 3	20220125-1130	Transformer Oil	Soil
258	Maui	Transformer H327647-72P-S Oil Spill Wailuku Substation #3	20220125-1132	Transformer Oil	Soil
259	Maui	Car Oil Spill HECO Kuihelani	20220125-1135	Oil	Soil
260	Oahu	Hydraulic Line Oil Spill Hickam Alpha Wharf	20220127-0750	Hydraulic Oil	Ocean
261	Oahu	Oil Spill Pier D Honolulu	20220127-1028	Oil	Ocean

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262	Oahu	Fuel Odor Coming from Tap Water	20220127-1100	Unknown	Within Facility
263	Oahu	Odor from Tap Water	20220127-1157	Odor	Within Facility
264	Oahu	Sheen from Tap Water	20220128-0008	Unknown	Within Facility
265	Oahu	USCG Gasoline Discharge into Honolulu Harbor	20220131-1109	Gasoline	Ocean
266	Oahu	USCG Cutter Oliver Berry Diesel Release While Fueling	20220131-1124	Diesel Oil/Marine Gas Oil	Ocean
267	Oahu	Milky White Substance in Kahaluu Stream	20220131-1639	Liquid	Stream
268	Oahu	Illegal Surfboard Repair Shop Operation	20220201-1048	Odor	Air
269	Oahu	Bucket of Lacquer Thinner Fell Off of Truck	20220201-1434	Container	Drum/Container
270	Oahu	Hydraulic Fuel Release from Airplane	20220203-0151	Hydraulic Oil	Asphalt
271	Oahu	DSR Logistics Formalin Release	20220203-0825	Liquid	Within Facility
272	Hawaii	Crew of Vessel Fighting with Captain	20220204-0709	Other	Other
273	Maui	Over Fill on Boat	20220204-0959	Diesel Oil/Marine Gas Oil	Ocean
274	Oahu	Formalin Spill at DSR Logistics Warehouse	20220204-1116	Formaldehyde	Concrete
275	Oahu	Potential Release from Sinking Ski Boat	20220205-0050	Gasoline	Ocean
276	Maui	Possibly Contaminated Water Running into Storm Drain	20220206-1129	Water	Storm Drain
277	Oahu	Sewage Spill at Honolulu Airport	20220206-1449	Sewage	Concrete
278	Oahu	Unknown substance in tap water, Manana Housing	20220207-0727	Powder	Other
279	Hawaii	19' fishing boat is sinking in Keauhou Bay, Hawaii	20220209-0701	Oil	Ocean

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280	Oahu	Unusual Odors from Neighbor's House	20220209-0833	Odors	Air
281	Maui	MECO Release Transformer #06427	20220210-0829	Mineral Oil/Transformer Oil	Soil
282	Oahu	Dumping of food waste products, Waianae	20220210-1758	Solid Waste	Soil
283	Oahu	White Substance in Campbell Industrial Area	20220211-1058	Powder	Asphalt
284	Oahu	Overturned vessel in waters off Lanikai	20220211-2101	Oil	Ocean
285	Oahu	Par Tank 202 gasoline odor detected above floating roof	20220214-1547	Gasoline	Air
286	Oahu	PAR commercial fuel station petroleum contamination discovery, Lihue	20220215-0346	Gasoline	Soil
287	Maui	MECO Maalaea Generating Station Tank 4A overfill	20220215-1525	Diesel Oil/Marine Gas Oil	Impermeable Surface
288	Maui	Evacuation due to chemical odor in Walmart, Kahului	20220216-1150	Gas	Air
289	Maui	MECO transformer #7837, Maui	20220218-1248	Mineral Oil/Transformer Oil	Concrete
290	Oahu	Pink Discharge at Ala Wai Canal	20220219-1403	Solid Waste	Storm Drain
291	Oahu	Unknown Sheen Ala Wai Small Boat Harbor	20220219-1524	Oil	Ocean
292	Oahu	Mobile Push Back Machine Vehicle Number 37395 Release	20220220-2323	Hydraulic Oil	Concrete
293	Kauai	Helicopter Crash at Pacific Missile Range	20220222-1153	Jet Fuel/Kerosene	Other
294	Oahu	Fuel Tank Lualualei Rd. Waianae	20220222-1407	Oily Water Mixture	Soil
295	Oahu	Oil Spill WWTP Sand Island	20220222-1925	Oil	Within Facility
296	Oahu	Abandoned Cars Dumped at Nimitz Viaduct	20220223-1616	Container	Other

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297	Oahu	STG HART Drilling Struck a Gas Line on Ala Onaona Street	20220224-1247	Natural Gas	Air
298	Maui	MECO Release Transformer #8306	20220225-0831	Mineral Oil/Transformer Oil	Soil
299	Oahu	Haleiwa House Collapsed Due to Beach Erosion	20220228-0846	Other	Ocean
300	Oahu	Fuel Release by Pier M-1	20220228-1025	Diesel Oil/Marine Gas Oil	Ocean
301	Oahu	Unknown Sheen Honolulu Harbor Pier 24	20220301-1143	Oil	Ocean
302	Oahu	Vessel "Tiara" Fuel Release Off of Oahu	20220301-1604	Oil	Ocean
303	Oahu	Possible Soil Contamination 546 Kaaahi St	20220302-1013	Oil	Soil
304	Hawaii	Unknown Sheen Keauhou Boat Harbor	20220303-1122	Oil	Ocean
305	Oahu	Lube Oil Spill	20220305-0912	Lube Oil/Motor Oil	Ocean
306	Hawaii	Carnival Cruise Ship Lost Hydraulic Fluid on Cruise from Hawaii To California	20220306-1108	Hydraulic Oil	Ocean
307	Oahu	Possible Sewage release Into Kaneohe Bay	20220306-1755	Sewage	Ocean
308	Oahu	Unknown Sheen in the Ala Wai Canal	20220306-1835	Unknown	Ocean
309	Oahu	Odors Coming from Neighbor	20220307-1100	Odor	Air
310	Oahu	Possible Neighbor Spraying Chemicals	20220307-1105	Liquid	Air
311	Hawaii	HELCO Release Transformer #42827	20220307-1151	Mineral Oil/Transformer Oil	Soil
312	Oahu	AST at NEX at Barber's Point Leaking	20220308-1018	Gasoline	Soil
313	Oahu	Asphalt Overfill at Asphalt Hawaii Plant	20220309-1100	Asphalt/Creosote	Concrete
314	Maui	Potential Spilling of Grease from Food Trucks	20220310-1009	Grease	Soil
315	Oahu	Sheen Discovered by Makaha Stream	20220310-1048	Unknown	Stream



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316	Oahu	Sheen by Waikiki Yacht club	20220310-1126	Unknown	Ocean
317	Maui	Possible Dumping by Tow Truck Company	20220310-1356	Oil	Soil
318	Hawaii	HELCO Release Transformer #22746	20220310-1629	Mineral Oil/Transformer Oil	Soil
319	Maui	MECO Release Transformer #8109	20220310-1634	Mineral Oil/Transformer Oil	Soil
320	Maui	MECO Release Transformer #8108	20220311-1411	Mineral Oil/Transformer Oil	Soil
321	Oahu	Grounded vessel (Hooked on Haleiwa), Haleiwa	20220313-1947	Diesel Oil/Marine Gas Oil	Soil
322	Hawaii	Petroleum contamination discovery Hilo Airport	20220315-0655	Oil	Gravel
323	Maui	MECO transformer #9789 leaking, Makawao	20220316-0826	Mineral Oil/Transformer Oil	Soil
324	Oahu	Oil Spill Vessel Sinking Honolulu Harbor	20220316-1622	Oil	Ocean
325	Oahu	Oil Spill USS Murtha Pearl Harbor	20220316-1650	Oil	Ocean
326	Hawaii	Demolished residential structures buried onsite, Hawaiian Paradise Park	20220318-0927	Solid Waste	Gravel
327	Oahu	Car Wash Water Spill Ala Wai Canal	20220320-0938	Gasoline	Ocean
328	Maui	Potential release, Grounded Vessel Kihei	20220321-0736	Oil	Ocean
329	Hawaii	Oil Spill Residence Kailua-Kona	20220323-0926	Oil	Asphalt
330	Hawaii	Solvent Odors at Kaauhuhu Transfer Station Hawi	20220324-1048	Solvent	Air
331	Oahu	Unknown Sheen Pearl Harbor Shipyard	20220325-1456	Sewage	Ocean
332	Oahu	Sewage Spill 3000 gallons	20220325-1845	Sewage	Soil
333	Oahu	Possible Pesticide Spill	20220326-1809	Powder	Concrete
334	Oahu	Hoe Street Illegal Dumping Leaking Oil	20220328-1420	Waste Oil	Storm Drain

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335	Oahu	Unknown Sheen Pearl Harbor Pier Sierra 9	20220329-0914	Oil	Ocean
336	Molokai	MECO Pole-mount Transformer #18922 Release	20220330-0912	Mineral Oil/Transformer Oil	Soil
337	Oahu	Fuel Release at Honolulu Airport from Hawaiian Airlines	20220331-0008	Jet Fuel/Kerosene	Concrete
338	Oahu	HECO Pole-mount Transformer #70442 Release	20220331-1525	Mineral Oil/Transformer Oil	Concrete
339	Maui	MECO Pad-mount Transformer #8701 Release	20220401-0905	Mineral Oil/Transformer Oil	Soil
340	Oahu	Red Hill Tank 15 Dewatering Release	20220401-1450	Oily Water Mixture	Concrete
341	Oahu	Oil leaking from a trash bin	20220405-1329	Hydraulic Oil	Asphalt
342	Oahu	Aloha Island Mart Nanakuli sheen discovered in turbine sump	20220405-1330	Oil	Gravel
343	Oahu	Broken scientific glassware	20220406-1305	Solid Waste	Soil
344	Oahu	Dust complaint but without sufficient information	20220406-1515	Solid Waste	Air
345	Oahu	PAR Light Naphtha Leak	20220407-1606	Naptha	Air
346	Maui	MECO Pole-mount Transformer #26860 and #25068 Release	20220407-1839	Mineral Oil/Transformer Oil	Soil
347	Oahu	Sinking boat in Ala Wai Harbor	20220409-1551	Oil	Ocean
348	Oahu	Unknown Sheen in the Area of Ala Wai Yacht Harbor	20220411-0811	Unknown	Ocean
349	Oahu	Sinking Vessel in Keehi Lagoon	20220411-1113	Diesel Oil/Marine Gas Oil	Ocean
350	Hawaii	Muriatic Acid Spill from Vehicle Accident	20220412-0934	Hydrochloric acid	Soil
351	Oahu	Heavy Foam in Likeke Falls	20220412-1310	Liquid	Stream

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
352	Oahu	Potential Pesticide Release	20220414-1049	Pesticides	Other
353	Oahu	Chemical Odor at Mokuleia Neighborhood	20220414-1335	Odor	Air
354	Oahu	Delta Airlines Oil Spill Honolulu Airport	20220414-2144	Jet Fuel/Kerosene	Concrete
355	Oahu	Jet Fuel Spill on Tanker Deck	20220415-0212	Jet Fuel/Kerosene	Impermeable Surface
356	Oahu	Waste Oil Spill USS Charlotte	20220415-1424	Waste Oil	Ocean
357	Oahu	Lube Oil Release USS Midgett	20220416-0710	Lube Oil/Motor Oil	Ocean
358	Oahu	Oil Sheen Ala Wai Canal	20220416-1715	Oil	Ocean
359	Oahu	Bomb Threat	20220417-0215	Bomb	Air
360	Oahu	Oil Spill USS Chung-Hoon	20220418-1419	Oil	Ocean
361	Oahu	Unknown material	20220418-1730	Unknown	Air
362	Oahu	Bubbles, smelly, and green-tinted oceanwater, Ewa Beach	20220419-0901	Liquid	Ocean
363	Oahu	S/V Pegasus soot discharge, Ala Wai	20220420-1116	Powder	Air
364	Oahu	Complaint regarding barrels of tar and petroleum	20220421-0915	Solid Waste	Soil
365	Oahu	Strong chemical smell.	20220421-1131	Odor	Air
366	Oahu	Unknown Sheen Ko Olina	20220421-1430	Unknown	Ocean
367	Oahu	Honolulu Harbor Pier 19 Unknown Sheen	20220422-0832	Diesel Oil/Marine Gas Oil	Ocean
368	Oahu	Transformer Oil Spill Nimitz Honolulu	20220422-1410	Transformer Oil	Soil
369	Oahu	Hawaiian Electric Pole Transformers 41758,42219, and 42434 Releases	20220422-1448	Mineral Oil/Transformer Oil	Soil
370	Maui	Mystery Sheen	20220424-1225	Solid Waste	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
371	Oahu	HART/STG severed 1" SNG line, Airport Industrial	20220426-0935	Gas	Air
372	Oahu	Transformer Release #01J334316 Leahi Ave. Honolulu	20220426-1134	Transformer Oil	Soil
373	Oahu	Motor Oil Release from Vessel at Koolina Boat Harbor	20220430-1851	Lube Oil/Motor Oil	Ocean
374	Oahu	Potential Release from Grounded Vessel in Kaneohe Bay	20220501-1057	Gasoline	Ocean
375	Oahu	Fuel Release Off of Hotel Pier	20220502-0911	Diesel Oil/Marine Gas Oil	Ocean
376	Oahu	Sheen on rainwater runoff, Kaneohe	20220503-1104	Mineral Oil/Transformer Oil	Storm Drain
377	Oahu	Fire at Hawaii Integrated Services' used battery storage facility, Kaneohe	20220504-0414	Container	Within Facility
378	Oahu	Allegation of Use of Diesel as a Pesticide	20220504-1742	Diesel Oil/Marine Gas Oil	Vegetation
379	Oahu	HNL Terminal 2 Airport Shuttle Diesel Leak	20220505-0849	Diesel Oil/Marine Gas Oil	Storm Drain
380	Oahu	Abandoned shipping container & chassis on Farrington Highway, Kapolei	20220508-1031	Solid Waste	Soil
381	Oahu	Illegal Dumping at lower Waiawa Stream	20220509-1051	Solid Waste	Stream
382	Oahu	Asphalt Spill Grace Pacific Kalaeloa	20220510-1736	Asphalt/Creosote	Soil
383	Oahu	White Cloudy Material Release Keaahala Stream Kaneohe	20220512-1019	Unknown	Ocean
384	Oahu	Odor from Roofing Material Application	20220512-1326	Odor	Air
385	Oahu	Sand Island WWTP UST discovery	20220513-1415	Petroleum Hydrocarbon	Groundwater
386	Oahu	Sewage Pipes Possibly Misplaced in the Central	20220516-0926	Sewage	Within Facility

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
387	Molokai	MECO Release Transformer #15137	20220516-1450	Mineral Oil/Transformer Oil	Soil
388	Oahu	Unknown Sheen in the Ala Wai Small Boat Harbor	20220517-1115	Diesel Oil/Marine Gas Oil	Ocean
389	Oahu	Globs of oil near sea wall	20220517-1649	Oil	Ocean
390	Oahu	Unknown sheen, unknown source	20220517-1845	Unknown	Ocean
391	Oahu	Sheen from Scooter in Stream	20220518-0755	Lube Oil/Motor Oil	Stream
392	Kauai	Fire at a Pump Station at PMRF	20220518-0823	Diesel Oil/Marine Gas Oil	Storm Drain
393	Oahu	Scrap Metal Fire at Island Recycling Inc.	20220519-0824	Unknown	Air
394	Oahu	Potential Fuel Released into Honolulu Harbor	20220519-0858	Unknown	Ocean
395	Oahu	Fuel was found on top of a floating tank lid	20220519-0925	Crude Oil	Within Facility
396	Oahu	Small Amount of Oil Released from the USCG Midget	20220519-1222	Lube Oil/Motor Oil	Ocean
397	Oahu	Possible Misuse of Pesticides	20220526-1715	Powder	Other
398	Oahu	Malathion Release in Apartment	20220528-2125	Malathion	Air
399	Oahu	Hydraulic Oil Spill from Vessel in Barber's Point Harbor	20220529-0226	Hydraulic Oil	Ocean
400	Oahu	Unknown Sheen at Ala Wai Small Boat Harbor	20220529-0923	Unknown	Ocean
401	Kauai	Port Allen Generating Station Diesel Leak from Valve	20220531-1348	Diesel Oil/Marine Gas Oil	Soil
402	Maui	Vessel "Kai Kanani II" Sideways at Maluaka Beach	20220531-1609	Oil	Ocean
403	Maui	MECO Pole-mount Transformer #28145 Release	20220601-0833	Mineral Oil/Transformer Oil	Soil

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
	<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
404	Oahu	Huge whitewater plume, Ala Wai Canal	20220601-1713	Liquid	Ocean
405	Oahu	HECO Pole-mount Transformer #80077 and #80106 Release	20220603-1415	Mineral Oil/Transformer Oil	Soil
406	Oahu	HECO Pad-mount Transformer #71263 Release	20220603-1423	Mineral Oil/Transformer Oil	Soil
407	Oahu	HECO Pad-mount Transformer #70430 Release	20220603-1552	Mineral Oil/Transformer Oil	Soil
408	Lanai	Grace Pacific heating oil tanker valve leak, Lanai	20220604-1806	Heating Oil	Gravel
409	Oahu	Potential UXO in waters off Kahuku	20220605-1621	UXO	Ocean
410	Oahu	Abandoned boat sank, Waianae Boat Harbor	20220606-0903	Oil	Ocean
411	Oahu	"Knot 2 Shabby" ran aground, Kaneohe Bay	20220606-1038	Oil	Other
412	Oahu	Dioxin & Arsenic contamination discovery, Kunia	20220606-1253	Chemical	Soil
413	Hawaii	Hydraulic Oil Spill Kampachi 4 Vessel Honokahau Harbor	20220607-1509	Oil	Ocean
414	Kauai	Oil Spill Kapaia Power Station Lihue	20220607-1613	Oil	Soil
415	Oahu	Sodium Hypochlorite Release	20220608-1545	Sodium hypochlorite	Soil
416	Maui	MECO transformer #16633	20220609-0756	Transformer Oil	Soil
417	Oahu	Residual Range Organics at Sand Island WWTP - TMK 15041022	20220609-0847	Diesel Oil/Marine Gas Oil	Soil
418	Oahu	USS Tulsa hydraulic oil spill	20220609-0956	Hydraulic Oil	Ocean
419	Oahu	Oil Spill MSC Cape Horn Pearl Harbor	20220610-1207	Oil	Ocean
420	Oahu	Lead Contaminated Soil Pauahi St. Honolulu	20220610-1339	Lead	Soil
421	Oahu	Oil Sheen Ala Wai F Dock Honolulu	20220610-1902	Oil	Ocean
422	Oahu	Potential Oil Release Vessel Sunk Off Keehi	20220612-0645	Oil	Ocean



HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2022					
<u>Island</u>	<u>Release Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>	
423	Maui	MECO Kihei Holiday Condominium Pad Mounted Transformer #11480 Release	20220614-1426	Transformer Oil	Soil
424	Maui	MECO Waipuilani Condominiums Transformer #12366 Spill	20220615-0924	Transformer Oil	Soil
425	Oahu	Oil in Groundwater /Sump; Sand Island	20220615-1319	Oil	Groundwater
426	Oahu	USCG Cutter Juniper Hydraulic Oil Release	20220620-0326	Hydraulic Oil	Ocean
427	Oahu	Li-ion Battery Sparked During Flight	20220621-0841	Container	Other
428	Kauai	Transformer Release from a Substation	20220622-1228	Mineral Oil/Transformer Oil	Concrete
429	Maui	Residual Engine Oil Release at MECO Subcontractor Base Yard	20220622-1348	Hydraulic Oil	Soil
430	Hawaii	Potential Release from Sunken Vessel in Kealakekua	20220623-0845	Oil	Ocean
431	Oahu	Unknown Sheen in Pearl Harbor by Bravo Wharf	20220623-1158	Unknown	Ocean
432	Hawaii	Paradise Helicopter Crash on Big Island	20220623-1558	Hydraulic Oil	Other
433	Oahu	Honolulu Harbor Pier 36 Unknown Sheen	20220624-1013	Oil	Ocean
434	Lanai	Grace Pacific Lanai Airport Heating Oil Release	20220627-1153	Heating Oil	Soil
435	Oahu	"Noelani" vessel diesel fuel spill Kewalo Basin	20220628-0733	Diesel Oil/Marine Gas Oil	Ocean
436	Oahu	Corrosion on Par Hawaii pipeline	20220628-1111	Jet Fuel/Kerosene	Soil
437	Oahu	Teal liquid puddle, Kuilei Street	20220628-1217	Liquid	Gravel
438	Oahu	USCG Cutter Kimbell	20220629-1230	Hydraulic Oil	Ocean
439	Oahu	Gasoline spill Kewalo Basin	20220629-2003	Gasoline	Ocean
440	Maui	Vehicle in irrigation ditch, Maui	20220629-2137	Gasoline	Stream

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## The Hawaii Response Program (HSRP) – List of Priority Sites

Chapter 128D, HRS, Environmental Response Law, Section 7, HRS mandates that a State List of Sites be published annually listing the sites with potential or known hazardous substances or pollutants or contaminants. Overall, in FY2022, HEER had oversight responsibilities for 1,565 active sites and reached No Further Action determinations at 11 sites.

We present the list in two sections.

The Hawaii State Response Program List of Priority Sites presents all non-military Hawaii sites identified for potential or known non-emergency response actions under HRS 128D. Current ERRF funding supports only part of the HEER Office response obligation for these sites. 1,058 active sites under direct DOH oversight in the various State programs are listed. Eight state sites with known or suspected contamination received No Further Action Determinations.

The Hawaii State Response Program DSMOA Program List of Priority Sites presents military sites in Hawaii for which SDAR provides oversight. Hazardous substance response actions are managed by various DOD branches under CERCLA authorities, with regulatory oversight from SDAR. Cleanup sites within the Pearl Harbor Naval Complex are co-regulated by US EPA, due to the National Priorities List (“Superfund”) designation. The DOD sites include numerous high priority unexploded ordnance sites (UXO). Investigations and cleanups of military sites with petroleum-contaminated sites are conducted under 128D authorities, as petroleum is not covered under CERCLA. ERRF funds are not currently used for oversight of non-emergency military cleanups in Hawaii. Staff positions providing oversight for this work are currently funded by federal DSMOA grants. The list includes 507 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities.

Because the Air Force and Navy work systematically to address high priority sites first, the majority of these sites remaining are medium and low priority. In 2022, clean up decisions were reached at two DSMOA sites, some of which will require ongoing management of residual contamination through Environmental Hazard Management Plans. The lists are sorted in the order of Island, Locality or Installation, and Site Name. The site Priority, Action, and Potential Hazard are identified for each Facility/Site. Sites are categorized as a potential hazard when sampling data indicate that contaminant concentrations exceed Hawaii Environmental Action Levels. Generally, these conservative action levels are set to be protective of long term, daily exposures. Hazards are managed by removal or destruction of the contaminants (No Hazard), use restrictions that limit access to the contamination, (Institutional Controls), or physical barriers that limit exposure to the contaminants (Engineering Controls).

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**FY2022 Response Program Activity**

Response Program Activity Summary data presented in this section for the Hawaii State Response Program (SRP) includes all Hawaii sites identified for non-emergency response actions during FY2022 and sites requiring evaluation if an assessment or response action is required under HEER Office authority. The HEER Office manages sites within five program areas depending upon eligibility, funding, and level of responsible party participation as:

State Sites

Hawaii Brownfields Revitalization Sites (Brownfields)

Hawaii Voluntary Response Program (VRP) Sites

Site Discovery (SDAR) and Preliminary Assessment/Site Inspection (PA/SI) Sites

DSMOA Department of Defense Sites

Over time, a site may be managed within the HEER Office under one or more program areas, starting with the site assessment phase and if required by the State, through to cleanup completion.

Program Category	Program Action	High Priority	Medium Priority	Low Priority	NFA Restricted	NFA Unrestricted	Total
State	Assessment	1	37	402	0	0	440
	Response	57	145	219	3	5	429
Brownfields	Assessment	0	1	27	0	0	28
	Response	2	12	10	0	0	24
VRP	Assessment	0	2	0	0	0	2
	Response	0	1	1	0	0	2
Site Discovery & PA/SI	Assessment	1	8	95	0	0	104
	Response	2	10	12	0	0	24
Fast Track	Assessment	0	0	0	0	0	0
	Response	2	0	0	0	0	2
NPL	Assessment	0	0	0	0	0	0
	Response	1	1	1	0	0	3
Total		66	217	767	3	5	1058

	Program Action	High Priority	Medium Priority	Low Priority	NFA Restricted	NFA	Total
DSMOA	Assessment	1	34	315	0	0	350
	Response	15	57	95	1	2	170
Total		16	91	410	1	2	520

Site specific information on our state and federal sites are publicly available on iHEER. Please read the instructions and limitations before using iHEER. <https://health.hawaii.gov/heer/siteinfo/iheer-information/>

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
1	Hawaii		DOE East Hawaii Schools Building Exterior Soils	Medium	Assessment	Undetermined	Ongoing	State
2	Hawaii		DOE West Hawaii Schools Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
3	Hawaii	Aiea	98-87 Kamehameha Hwy.	Low	Response	Present	Ongoing	Brownfields
4	Hawaii	Captain Cook	Honaunau Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
5	Hawaii	Captain Cook	Honaunau Elementary School C-EHMP	Low	Response	Present	Ongoing	State
6	Hawaii	Captain Cook	Hookena Elementary School	Low	Response	Present	Ongoing	PA/SI
7	Hawaii	Hakalau	Hakalau Air Strip	Low	Assessment	Partially Determined	Ongoing	PA/SI
8	Hawaii	Hakalau	Hakalau Pesticide Mixing and Seed Dipping Site	High	Response	Present	Ongoing	State
9	Hawaii	Hakalau	Hakalau School	Low	Assessment	Undetermined	Ongoing	State
10	Hawaii	Hakalau	Hakalau Stream Bridge	High	Response	Present	Ongoing	State
11	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Response	Present	Ongoing	State
12	Hawaii	Hakalau	Umauma Stream Bridge	Medium	Assessment	Undetermined	Ongoing	State
13	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park	Low	Assessment	Undetermined	Ongoing	State
14	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park Four Cesspool Sites	Low	Assessment	Undetermined	Ongoing	State
15	Hawaii	Hawi	Harbottle Property	Low	Assessment	Undetermined	Ongoing	State
16	Hawaii	Hawi	Hawi Sugar Company Hoes Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
17	Hawaii	Hawi	Upolu Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
18	Hawaii	Hawi	Westrum	Medium	Response	Managed with Institutional Controls	Ongoing	State
19	Hawaii	Hilo	Agent Orange Application	Low	Assessment	Undetermined	Ongoing	State



HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
20	Hawaii	Hilo	Aloha Petroleum Hilo West	Low	Response	Managed with Institutional Controls	Ongoing	State
21	Hawaii	Hilo	Army Aviation Support Facility #2	Low	Assessment	Undetermined	Ongoing	State
22	Hawaii	Hilo	Big Island Asphalt Company, Inc.	Medium	Assessment	Undetermined	Ongoing	VRP
23	Hawaii	Hilo	Big Island Energy Hilo	Low	Response	Managed with Institutional Controls	Ongoing	State
24	Hawaii	Hilo	De Silva Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
25	Hawaii	Hilo	DHHL Panaewa	Low	Assessment	Undetermined	Ongoing	State
26	Hawaii	Hilo	GASPRO Hilo Herbicide Manufacturing Plant	Low	Assessment	Undetermined	Ongoing	State
27	Hawaii	Hilo	GTE Hawaiian Tel - Kawaihina Central Office (Hilo) Chlordane Release	Medium	Assessment	Undetermined	Ongoing	State
28	Hawaii	Hilo	Haaleo Elementary School Building Exterior Soils	Medium	Response	Managed with Institutional Controls	Ongoing	State
29	Hawaii	Hilo	Hatada Bakery	Low	Response	Present	Ongoing	State
30	Hawaii	Hilo	Hawaii CCC Lead in Soil	Medium	Response	Managed with Institutional Controls	Ongoing	State
31	Hawaii	Hilo	Hawaii Community College Hydraulic Lift	Low	Assessment	Undetermined	Ongoing	State
32	Hawaii	Hilo	Hawaii County DWS - Former Steel Water Tank Kawaihina Street, Hilo	Medium	Assessment	Undetermined	Ongoing	State
33	Hawaii	Hilo	Hawaii County Kamehameha Avenue Improvements	Medium	Assessment	Undetermined	Ongoing	State
34	Hawaii	Hilo	Hawaii Pest Control	Medium	Assessment	Undetermined	Ongoing	State
35	Hawaii	Hilo	HELCO Hill Generating Station Bunker Fuel Tank Overfill	Low	Response	Present	Ongoing	State
36	Hawaii	Hilo	HELCO Kuhio Substation	Medium	Assessment	Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
37	Hawaii	Hilo	HFFC Hilo Fuel Facility	Low	Response	Present	Ongoing	State
38	Hawaii	Hilo	HIANG Hilo Building 702 Hydraulic Hoist	Low	Response	Present	Ongoing	State
39	Hawaii	Hilo	Hilo Airport Drainage Pipe Terminus from Former HT&T	Low	Assessment	Undetermined	Ongoing	State
40	Hawaii	Hilo	Hilo Bay Front Soccer Field	Low	Response	Present	Ongoing	State
41	Hawaii	Hilo	Hilo Harbor Interisland Cargo Dock	Low	Assessment	Undetermined	Ongoing	State
42	Hawaii	Hilo	Hilo Harbor Quonset Hut	Low	Response	Present	Ongoing	State
43	Hawaii	Hilo	Hilo High School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
44	Hawaii	Hilo	Hilo Intermediate School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
45	Hawaii	Hilo	Hilo International Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
46	Hawaii	Hilo	Hilo International Airport - Drainage Improvements	Low	Assessment	Undetermined	Ongoing	State
47	Hawaii	Hilo	Hilo International Airport - West Ramp Demolition and Lease Lots	Low	Response	Present	Ongoing	State
48	Hawaii	Hilo	Hilo Memorial Hospital Heating Oil UST	Low	Response	Present	Ongoing	State
49	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Present	Ongoing	State
50	Hawaii	Hilo	Hilo Terminal 595 Kalanianaʻole Avenue	Medium	Response	Managed with Institutional Controls	Ongoing	State
51	Hawaii	Hilo	Hilo Union Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
52	Hawaii	Hilo	HPM Building Supply DBA-Hawaii Wood Protection, Inc.	Low	Assessment	Undetermined	Ongoing	State
53	Hawaii	Hilo	HSPA Wainaku Experiment Station	Low	Assessment	Partially Determined	Ongoing	PA/SI

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
54	Hawaii	Hilo	Ice Pond Hilo	Low	Assessment	Undetermined	Ongoing	State
55	Hawaii	Hilo	IES Hilo Terminal	Medium	Response	Managed with Institutional Controls	Ongoing	State
56	Hawaii	Hilo	Kaawalii Gulch Naphtha Spill	Low	Assessment	Undetermined	Ongoing	State
57	Hawaii	Hilo	Kalamapi'i Play School	Low	Assessment	Undetermined	Ongoing	Brownfields
58	Hawaii	Hilo	Kanoelehua Industrial Warehouse	Low	Assessment	Undetermined	Ongoing	Brownfields
59	Hawaii	Hilo	Kapiolani Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
60	Hawaii	Hilo	Kapiolani Elementary School Building H	Low	Response	Present	Ongoing	State
61	Hawaii	Hilo	Kaumana Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
62	Hawaii	Hilo	Kaumana Springs	Low	Assessment	Undetermined	Ongoing	State
63	Hawaii	Hilo	Keaukaha Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
64	Hawaii	Hilo	Kumau Street Improvements Hilo Harbor Entrance	Medium	Assessment	Undetermined	Ongoing	State
65	Hawaii	Hilo	Lanakila Homes IV	Medium	Assessment	Undetermined	Ongoing	State
66	Hawaii	Hilo	Lanakila Homes Phase I-III A Arsenic Investigation	Low	Assessment	Partially Determined	Ongoing	PA/SI
67	Hawaii	Hilo	Larry's Waiakea Chevron	Low	Response	Present	Ongoing	State
68	Hawaii	Hilo	Mauna Kea Sugar Company - Hilo Sugar Pesticide Mixing Area	Medium	Assessment	Undetermined	Ongoing	PA/SI
69	Hawaii	Hilo	Mauna Kea Sugar Onomea Seed Dipping Area	Low	Assessment	Undetermined	Ongoing	PA/SI
70	Hawaii	Hilo	Mental Health Kokua Hilo Residential Complex	Low	Assessment	Undetermined	Ongoing	State
71	Hawaii	Hilo	Naval Air Station Hilo Radio Range	Low	Assessment	Undetermined	Ongoing	PA/SI
72	Hawaii	Hilo	Par Hilo Terminal	Low	Assessment	Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
73	Hawaii	Hilo	Petroleum Contamination Discovery Hilo	Low	Assessment	Undetermined	Ongoing	State
74	Hawaii	Hilo	Radio Bay Sediment Dredging	Low	Assessment	Undetermined	Ongoing	State
75	Hawaii	Hilo	S. K. Oda Base Yard	Low	Assessment	Partially Determined	Ongoing	PA/SI
76	Hawaii	Hilo	Tesoro Hawaii Corporation, Terminal Department-701 Kalanianaʻole	Low	Assessment	Undetermined	Ongoing	State
77	Hawaii	Hilo	Tesoro Hilo Terminal 2 Lead Contamination	Low	Assessment	Undetermined	Ongoing	State
78	Hawaii	Hilo	UH College of Tropical Agriculture and Human Resources Agent Orange Mixing	Low	Assessment	Partially Determined	Ongoing	PA/SI
79	Hawaii	Hilo	UST excavated Bishop and Kamehameha	Low	Assessment	Undetermined	Ongoing	State
80	Hawaii	Hilo	Waiakea Intermediate School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
81	Hawaii	Hilo	Waiakea Mill Company	Low	Assessment	Partially Determined	Ongoing	PA/SI
82	Hawaii	Hilo	Waiakea Mill Company - Camp 1	Low	Assessment	Partially Determined	Ongoing	PA/SI
83	Hawaii	Hilo	Waiakea Mill Company - Camp 2	Medium	Response	Present	Ongoing	PA/SI
84	Hawaii	Hilo	Waiakea Mill Company - Camp 4	Low	Assessment	Partially Determined	Ongoing	PA/SI
85	Hawaii	Hilo	Waiakea Mill Company - Camp 6	Medium	Response	Present	Ongoing	PA/SI
86	Hawaii	Hilo	Waiakea Mill Company - Waiakea Uka Park	Low	Assessment	Undetermined	Ongoing	PA/SI
87	Hawaii	Hilo	Waiakea Pond / Hawaiian Cane Products Plant	High	Response	Present	Ongoing	State
88	Hawaii	Hilo	Waiakea Uka Community Center	Low	Assessment	Undetermined	Ongoing	State
89	Hawaii	Hilo	Waiakea Upland Arsenic Site	Low	Assessment	Undetermined	Ongoing	State
90	Hawaii	Hilo	Waiakeawaena Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
91	Hawaii	Hilo	Wailoa River State Recreation Area	Medium	Response	Managed with Institutional Controls	Ongoing	State
92	Hawaii	Hilo	Yamada Quarry Hilo	Low	Assessment	Undetermined	Ongoing	State
93	Hawaii	Holualoa	Holualoa Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
94	Hawaii	Honokaa	Hamakua Sugar Company Honokaa Airstrip	Low	Assessment	Partially Determined	Ongoing	PA/SI
95	Hawaii	Honokaa	Hamakua Sugar Company Kawela Pesticide Mixing Area	Low	Response	Present	Ongoing	PA/SI
96	Hawaii	Honokaa	Hamakua Youth Foundation	Low	Response	Present	Ongoing	State
97	Hawaii	Honokaa	Honokaa Elementary, Intermediate and High School	Low	Assessment	Partially Determined	Ongoing	PA/SI
98	Hawaii	Honokaa	Paauhau Seed Dipping Plant	Low	Response	Present	Ongoing	PA/SI
99	Hawaii	Honolulu	DOA Pu'u Kapu Reservoir	Low	Response	Managed with Institutional Controls	Ongoing	State
100	Hawaii	Honomu	Honomu Sugar Company Poison Warehouse	Low	Assessment	Undetermined	Ongoing	PA/SI
101	Hawaii	Honomu	Kolekole Stream Bridge	Low	Response	Managed with Institutional Controls	Ongoing	State
102	Hawaii	Honomu	Paheehee Stream Bridge	Low	Assessment	Undetermined	Ongoing	PA/SI
103	Hawaii	Kailua	Kealakehe Transfer Station	Medium	Assessment	Undetermined	Ongoing	State
104	Hawaii	Kailua-Kona	Hawaii Petroleum-Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Undetermined	Ongoing	State
105	Hawaii	Kailua-Kona	HELCO Keahole Generating Station	Low	Assessment	Undetermined	Ongoing	State
106	Hawaii	Kailua-Kona	Honokohau Industrial Park Lower Boat Park Soil Contamination	Low	Response	Present	Ongoing	State
107	Hawaii	Kailua-Kona	Kahakai Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
108	Hawaii	Kailua-Kona	Kealakehe Elementary and Intermediate School	Low	Response	Present	Ongoing	PA/SI

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109	Hawaii	Kailua-Kona	Kealakehe Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
110	Hawaii	kailua-kona	Kealakehe High School	Low	Assessment	Partially Determined	Ongoing	PA/SI
111	Hawaii	Kailua-Kona	Keauhou Single Family Residential Lot Subdivision	Low	Assessment	Undetermined	Ongoing	State
112	Hawaii	Kailua-Kona	Konawaena Middle and High School	Low	Assessment	Partially Determined	Ongoing	PA/SI
113	Hawaii	Kailua-Kona	West Hawaii Homeless Facility	Low	Assessment	Undetermined	Ongoing	State
114	Hawaii	Kalaoa	Kona International Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
115	Hawaii	Kamuela	Hawaii County Kamuela Baseyard	Low	Assessment	Undetermined	Ongoing	State
116	Hawaii	Kamuela	HELCO Waimea Generating Station diesel release	Low	Response	Managed with Institutional Controls	Ongoing	State
117	Hawaii	Kamuela	Mid Pac Petroleum Kawaihae Terminal	Low	Assessment	Undetermined	Ongoing	State
118	Hawaii	Kamuela	Waimea Elementary and Middle School	Low	Response	Present	Ongoing	PA/SI
119	Hawaii	Kamuela	Waimea Quarry	Low	Assessment	Undetermined	Ongoing	State
120	Hawaii	Kapaau	Halawa Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
121	Hawaii	Kapaau	Kohala High and Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
122	Hawaii	Kapaau	Kohala Middle School	Low	Assessment	Partially Determined	Ongoing	PA/SI
123	Hawaii	Kapaau	Niulii Mill	Low	Assessment	Undetermined	Ongoing	PA/SI
124	Hawaii	Kauai	Princeville Makai Golf Course	Low	Assessment	Undetermined	Ongoing	Brownfields
125	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Response	Managed with Institutional Controls	Ongoing	State
126	Hawaii	Keaau	Hawaii Foodservice Alliance	Medium	Response	Present	Ongoing	PA/SI
127	Hawaii	Keaau	HELCO Panaewa Substation	Low	Assessment	Undetermined	Ongoing	State

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128	Hawaii	Keaau	Kamehameha Schools Hawaii Campus	Low	Assessment	Undetermined	Ongoing	State
129	Hawaii	Keaau	Keaau Area Arsenic Investigation	Medium	Assessment	Undetermined	Ongoing	State
130	Hawaii	Keaau	Keaau High School Expansion Project	Low	Assessment	Undetermined	Ongoing	State
131	Hawaii	Keaau	Keaau Middle School	Low	Response	Managed with Institutional Controls	Ongoing	State
	Hawaii	Keaau	Keaau Middle School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
132								
133	Hawaii	Keaau	Keaau Proposed Affordable Housing	Low	Response	Present	Ongoing	State
134	Hawaii	Keaau	Keaau Triangle Lot	High	Response	Present	Ongoing	State
135	Hawaii	Keaau	Keaau Village	Low	Assessment	Undetermined	Ongoing	State
136	Hawaii	Keaau	Keaau Village Inn	High	Response	Present	Ongoing	State
137	Hawaii	Keaau	Puna Sugar Company Stables Arsenic Mixing Site	Low	Assessment	Partially Determined	Ongoing	PA/SI
138	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Undetermined	Ongoing	PA/SI
139	Hawaii	Kealakekua	Kealakekua Mountain Reserve	Low	Response	Present	Ongoing	State
140	Hawaii	Kealakekua	Konawaeana Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
141	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Undetermined	Ongoing	State
142	Hawaii	Keeau	HELCO Puna Generating Station	Low	Assessment	Undetermined	Ongoing	State
143	Hawaii	Kohala	Kohala Public Library	Low	Assessment	Undetermined	Ongoing	State
144	Hawaii	Laupahoehoe	35-2078 Hulaana Place	Medium	Assessment	Undetermined	Ongoing	State
145	Hawaii	Laupahoehoe	Hamakua Sugar Company Papaaloa Pesticide Mixing Area	Low	Assessment	Undetermined	Ongoing	PA/SI
146	Hawaii	Laupahoehoe	Laupahoehoe High and Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
147	Hawaii	Laupahoehoe	Laupahoehoe Sugar Camp 16 Waipunalei Seed Treatment Area	Low	Assessment	Partially Determined	Ongoing	PA/SI

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148	Hawaii	Mountain View	Mountain View Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
149	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Pesticide Mixing Area	Medium	Assessment	Undetermined	Ongoing	PA/SI
150	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Seed Dipping Vat	Medium	Response	Present	Ongoing	State
151	Hawaii	Naalehu	Kaalaiki Industrial Lot D	High	Response	Present	Ongoing	Fast Track
152	Hawaii	Naalehu	Kaalaiki Industrial Lots B-D	High	Response	Present	Ongoing	PA/SI
153	Hawaii	Naalehu	Naalehu Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
154	Hawaii	Naalehu	Naalehu Elementary School Campus Covered Walkways	Low	Response	Present	Ongoing	State
155	Hawaii	Naalehu	Naalehu Elementary School Campus Repaving Project	Low	Response	Managed with Institutional Controls	Ongoing	State
156	Hawaii	Naalehu	Residential Property 95-5579 Opukea Street	Low	Assessment	Undetermined	Ongoing	Brownfields
157	Hawaii	Ninole	Former Minoru Kawahara Chevron	Low	Response	Present	Ongoing	State
158	Hawaii	Ninole	Nanue Stream Bridge	Low	Assessment	Undetermined	Ongoing	PA/SI
159	Hawaii	Niulii	Kohala Center Niulii Former Sugar Mill	Low	Assessment	Undetermined	Ongoing	State
160	Hawaii	North Kohala	Hawi Well Site	Low	Assessment	Undetermined	Ongoing	State
161	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Response	Present	Ongoing	Brownfields
162	Hawaii	Paauhau	Paauhau Sugar Mill	Medium	Response	Present	Ongoing	PA/SI
163	Hawaii	Paauilo	Hamakua Sugar Company Asbestos Disposal Site	Low	Assessment	Undetermined	Ongoing	State
164	Hawaii	Paauilo	Hamakua Sugar Company Ookala Mill Pesticide Storage Area	Low	Assessment	Undetermined	Ongoing	PA/SI
165	Hawaii	Paauilo	Hamakua Sugar Company Paauilo Mill Seed Dipping Plant	Medium	Response	Present	Ongoing	PA/SI



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166	Hawaii	Paauilo	Hamakua Sugar Company Paauilo Sugar Mill Pesticide Mixing Area	High	Assessment	Undetermined	Ongoing	PA/SI
167	Hawaii	Paauilo	Hamakua Sugar Company Paauilo Sugar Mill Pesticide Storage Area	Low	Assessment	Partially Determined	Ongoing	PA/SI
168	Hawaii	Paauilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Undetermined	Ongoing	State
169	Hawaii	Paauilo	Paauilo Elementary and Intermediate School	Low	Assessment	Partially Determined	Ongoing	PA/SI
170	Hawaii	Pahala	Kau Agribusiness Hutchinson Sugar Mill Honuapo	Low	Assessment	Undetermined	Ongoing	State
171	Hawaii	Pahala	Kau Agribusiness Seed Dipping Areas	Low	Assessment	Partially Determined	Ongoing	PA/SI
172	Hawaii	Pahala	Kau High School and Pahala Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
173	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Present	Ongoing	State
174	Hawaii	Pahala	Pahala Nursery Oil Release	Low	Assessment	Undetermined	Ongoing	State
175	Hawaii	Pahoa	Pahoa Elementary School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
176	Hawaii	Pahoa	Pahoa High and Intermediate School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State
177	Hawaii	Papaaloa	Papaaloa Elderly Housing Complex	Low	Response	Managed with Institutional Controls	Ongoing	Brownfields
178	Hawaii	Papaaloa	Papaaloa Park ADA Construction	Low	Response	Present	Ongoing	State
179	Hawaii	Papaikou	27-0330 Mamalahoa Highway Collision	Low	Response	Managed with Institutional Controls	Ongoing	State
180	Hawaii	Papaikou	Kalaniana'ole Elementary and Intermediate School Building Exterior Soils	Low	Response	Managed with Institutional Controls	Ongoing	State

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181	Hawaii	Papaikou	Kapue Stream Bridge	Low	Response	Managed with Institutional Controls	Ongoing	State
182	Hawaii	Papaikou	Mauna Kea Sugar Papaikou Garage Pesticide Storage and Loading Area	Low	Assessment	Partially Determined	Ongoing	PA/SI
183	Hawaii	Papaikou	Onomea Sugar Company - Papaikou Mill Pesticide Mixing Area	High	Response	Present	Ongoing	PA/SI
184	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Response	Present	Ongoing	State
185	Hawaii	Pepeekeo	Hu Honua Bioenergy Plant	Low	Assessment	Undetermined	Ongoing	State
186	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Undetermined	Ongoing	State
187	Hawaii	Pepeekeo	Kulaimano Elderly Housing Project	Low	Response	Managed with Institutional Controls	Ongoing	State
188	Hawaii	Pepeekeo	Mauna Kea Sugar Pepeekeo Mill Herbicide Mixing Area	Medium	Assessment	Undetermined	Ongoing	PA/SI
189	Hawaii	Pepeekeo	Pepeekeo Airstrip	Low	Assessment	Partially Determined	Ongoing	PA/SI
190	Hawaii	Pepeekeo	Pepeekeo Black Oil and Drum Site	Low	Response	Present	Ongoing	State
191	Hawaii	Puna	Maku'u Farm Lots	Low	Assessment	Undetermined	Ongoing	State
192	Hawaii	Volcano	Volcano School Keakealani Campus	Low	Response	Managed with Institutional Controls	Ongoing	State
193	Hawaii	Volcanoes	Hawaii Volcanoes National Park Quarry Firing Range	Low	Response	Present	Ongoing	State
194	Hawaii	Waikoloa	Waikoloa School	Low	Assessment	Partially Determined	Ongoing	PA/SI
195	Hawaii	Waimea	Lalamilo Phase 2A Housing Development	Low	Assessment	Undetermined	Ongoing	State
196	Hawaii	Waimea	Parker Ranch Truck Park Asphalt Plant	Low	Assessment	Partially Determined	Ongoing	State
197	Hawaii	Waimea	Waimea Chevron Service Station	Low	Assessment	Undetermined	Ongoing	State

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198	Hawaii	Waimea	Waimea-Kohala Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
199	Hawaii	Waipunalei	Hamakua Sugar Company Waipunalei Seed Dipping Plant	Medium	Response	Present	Ongoing	PA/SI
200	Kauai	Anahola	Kealia Mauka Homesites	Low	Assessment	Undetermined	Ongoing	State
201	Kauai	Barking Sands	Grace Pacific Barking Sands Asphalt Plant	Low	Assessment	Undetermined	Ongoing	State
202	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Undetermined	Ongoing	State
203	Kauai	Eleele	Eleele Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
204	Kauai	Eleele	IES Port Allen Bulk Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
205	Kauai	Eleele	McBryde Sugar Numila Pesticide Mixing Area	Medium	Assessment	Undetermined	Ongoing	State
206	Kauai	Eleele	Port Allen	Low	Assessment	Undetermined	Ongoing	State
207	Kauai	Eleele	Port Allen Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
208	Kauai	Eleele	Port Allen Radio Range	Low	Assessment	Undetermined	Ongoing	PA/SI
209	Kauai	Eleele	Port Allen Shed Renovation	Low	Assessment	Undetermined	Ongoing	State
210	Kauai	Hanamaulu	Lihue Hanamaulu Truck Shop	Low	Assessment	Undetermined	Ongoing	PA/SI
211	Kauai	Hanamaulu	Lihue Herbicide Mixing Plant	Medium	Response	Present	Ongoing	State
212	Kauai	Hanapepe	Sakoda Garage	Low	Response	Present	Ongoing	State
213	Kauai	Kalaheo	Kalaheo Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
214	Kauai	Kalaheo	Kalaheo Elementary School	Low	Assessment	Undetermined	Ongoing	State
215	Kauai	Kalaheo	Kauai Pineapple Company Pesticide Mixing Site	Low	Assessment	Partially Determined	Ongoing	PA/SI
216	Kauai	Kapaa	Coconut Marketplace	Low	Response	Managed with Institutional Controls	Ongoing	State

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217	Kauai	Kapaa	Dry Well Cleanup	Low	Assessment	Undetermined	Ongoing	State
218	Kauai	Kapaa	Hawaiian Fruit Packers Pesticide Mixing Area	Low	Assessment	Undetermined	Ongoing	PA/SI
219	Kauai	Kapaa	Samuel Mahelona Memorial Center	Low	Assessment	Undetermined	Ongoing	Brownfields
220	Kauai	Kapaa	Wailua Homestead Wells	Low	Response	Present	Ongoing	State
221	Kauai	Kaumakani	Gay and Robinson Seed Dipping Vat	Low	Assessment	Undetermined	Ongoing	PA/SI
222	Kauai	Kaumakani	Olokele Sugar Pesticide Mixing Site	Low	Assessment	Partially Determined	Ongoing	PA/SI
223	Kauai	Kealia	Makee Sugar Kealia Mill	Low	Assessment	Undetermined	Ongoing	PA/SI
224	Kauai	Kekaha	HIANG Kekaha Armory	Low	Assessment	Undetermined	Ongoing	State
225	Kauai	Kekaha	Kekaha Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
226	Kauai	Kekaha	Kekaha Residential Lots, Unit 4 Subdivision	Medium	Response	Managed with Institutional Controls	Ongoing	State
227	Kauai	Kekaha	Kekaha Sugar Company Former Wood Treatment Plant	Medium	Response	Present	Ongoing	State
228	Kauai	Kekaha	Paua Valley Tank PCB Contamination	Low	Assessment	Undetermined	Ongoing	State
229	Kauai	Kekaha	Pioneer Hi-Bred Waimea and Kekaha Research Centers	Low	Assessment	Undetermined	Ongoing	State
230	Kauai	Kilauea	Hale Hoolulu-Kilauea	Low	Response	Present	Ongoing	State
231	Kauai	Kilauea	Kilauea Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
232	Kauai	Koloa	Koloa Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
233	Kauai	Koloa	Koloa Mill Pesticide Mixing Area Post-1974	Low	Assessment	Undetermined	Ongoing	PA/SI
234	Kauai	Koloa	Koloa Mill Pesticide Mixing Area Pre-1974	Low	Assessment	Partially Determined	Ongoing	PA/SI
235	Kauai	Koloa	LORAN Station Kauai	Low	Assessment	Undetermined	Ongoing	PA/SI

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236	Kauai	Lihue	Aloha Nawiliwili Fuel Distribution Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
237	Kauai	Lihue	Former Ahukini Dump	Low	Response	Present	Ongoing	State
238	Kauai	Lihue	Grove Farm Puhi Poison Mixing Area	Medium	Response	Present	Ongoing	State
239	Kauai	Lihue	HFFC Lihue Fuel Facility	Low	Assessment	Undetermined	Ongoing	State
240	Kauai	Lihue	Kapaia Power Station Lihue	Low	Assessment	Undetermined	Ongoing	Brownfields
241	Kauai	Lihue	Kauai Petroleum	Low	Response	Managed with Institutional Controls	Ongoing	State
242	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Present	Ongoing	State
243	Kauai	Lihue	Lihue Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
244	Kauai	Lihue	Lihue Airport Runway Extension	Low	Assessment	Undetermined	Ongoing	State
245	Kauai	Lihue	Lihue Plantation Combined Sites	Medium	Response	Present	Ongoing	Brownfields
246	Kauai	Lihue	Lihue Sugar Mill and Power Plant	Medium	Response	Managed with Institutional Controls	Ongoing	Brownfields
247	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Undetermined	Ongoing	State
248	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Undetermined	Ongoing	State
249	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Undetermined	Ongoing	State
250	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Assessment	Undetermined	Ongoing	State
251	Kauai	Lihue	Paradise 76 Service Station	Low	Response	Managed with Institutional Controls	Ongoing	State
252	Kauai	Lihue	Queen Liliuokalani Children's Center Property adjacent to the Paradise 76 Service Station	NFA	Response	None	NFA	State

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253	Kauai	Lihue	Wilcox Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
254	Kauai	Princeville	Princeville Water System PCB Contamination	High	Response	Present	Ongoing	State
255	Kauai	Wailua	Coco Palms Sewer Pump Station	Low	Assessment	Undetermined	Ongoing	State
256	Kauai	Waimea	Kikiaola Light Draft Harbor Improvements	Low	Assessment	Undetermined	Ongoing	State
257	Kauai	Waimea	Meadowgold Facility Waimea Kauai	Low	Response	Present	Ongoing	State
258	Kauai	Waimea	Navy MFH PMRF Barking Sands	Medium	Response	Present	Ongoing	State
259	Kauai	Waimea	Waimea Sugar Company	Low	Assessment	Undetermined	Ongoing	PA/SI
260	Kure Atoll	Kure Atoll	LORAN Station Kure	Medium	Response	Managed with Institutional Controls	Ongoing	State
261	Lanai	Lanai City	Miki Basin Generating Station - 2022 Release	Low	Assessment	Undetermined	Ongoing	State
262	Lanai	Lanai City	Dole Lanai Emulsion Plant, Drainage Ditch and Settling Pond	Low	Assessment	Undetermined	Ongoing	PA/SI
263	Lanai	Lanai City	Former Emulsion Plant - Fraser Development Site	Medium	Response	Managed with Institutional Controls	Ongoing	State
264	Lanai	Lanai City	Lanai Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
265	Lanai	Lanai City	Lanai City Expansion 200 Housing Units	Medium	Response	Managed with Institutional Controls	Ongoing	State
266	Maui		HC&S CADE Station Field 304	Low	Assessment	Undetermined	Ongoing	State
267	Maui		HC&S CADE Station Field 506	Low	Assessment	Undetermined	Ongoing	State
268	Maui		HC&S CADE Station Field 602	Low	Assessment	Undetermined	Ongoing	State
269	Maui		HC&S CADE Station Field 802	Low	Assessment	Undetermined	Ongoing	State
270	Maui		HC&S CADE Station Field 922	Low	Assessment	Undetermined	Ongoing	State
271	Maui		HC&S CADE Station Paia Mill	Low	Assessment	Undetermined	Ongoing	State

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272	Maui		Unidentified Maui Golf Course Herbicide Mixing Stations	Low	Assessment	Undetermined	Ongoing	State
273	Maui	Haiku	41 Awalau Road	Low	Assessment	Undetermined	Ongoing	State
274	Maui	Haiku	Camp Maui	Low	Assessment	Undetermined	Ongoing	State
275	Maui	Haiku	Haiku Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
276	Maui	Haiku	Nahiku Rubber Company	Low	Assessment	Undetermined	Ongoing	PA/SI
277	Maui	Haiku	Pauwela Homes Project, Kauhikoa Land LLC	Low	Assessment	Undetermined	Ongoing	State
278	Maui	Haliimaile	Haliimaile Development	Low	Assessment	Undetermined	Ongoing	State
279	Maui	Hana	Hana Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
280	Maui	Hana	Kaeleku Plantation Company Mill	Low	Assessment	Undetermined	Ongoing	PA/SI
281	Maui	Hana	Kipahulu Sugar Company Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
282	Maui	Kahului	475 Maalo Street Buried Container	Low	Assessment	Undetermined	Ongoing	State
283	Maui	Kahului	A&B Central Power Plant Electrical Substation and Transformer Storage Yard	Low	Assessment	Undetermined	Ongoing	State
284	Maui	Kahului	A&B Central Power Plant Pipelines	Medium	Response	Present	Ongoing	State
285	Maui	Kahului	Aloha Petroleum Kahului Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
286	Maui	Kahului	Fong Construction Petroleum Hydrocarbon Contamination	Low	Assessment	Undetermined	Ongoing	State
287	Maui	Kahului	HC&S Airstrip Field 507	Low	Assessment	Partially Determined	Ongoing	PA/SI
288	Maui	Kahului	Honokowai Ahupua'a	Low	Assessment	Undetermined	Ongoing	State
289	Maui	Kahului	IES Kahului Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
290	Maui	Kahului	Kahului Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
291	Maui	Kahului	Kahului Airport - Holdroom A, B, & E	Low	Response	Managed with Institutional Controls	Ongoing	State
292	Maui	Kahului	Kahului Airport Holdroom and Gate Improvements	Low	Response	Present	Ongoing	State
293	Maui	Kahului	Kahului Airport Runway 2-20 Reconstruction	Low	Assessment	Undetermined	Ongoing	State
294	Maui	Kahului	Kahului Airport, Aircraft Rescue and Firefighting Training Pit	Low	Response	Managed with Institutional Controls	Ongoing	State
295	Maui	Kahului	Kahului Harbor Industrial District	Medium	Response	Present	Ongoing	State
296	Maui	Kahului	Kahului Harbor Parcel B	Medium	Response	Managed with Institutional Controls	Ongoing	State
297	Maui	Kahului	Maui Pineapple Company Kane Street	Low	Assessment	Undetermined	Ongoing	State
298	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Undetermined	Ongoing	State
299	Maui	Kahului	MECO Sub-Transformer No. 3792	Low	Assessment	Undetermined	Ongoing	State
300	Maui	Kahului	Molasses Shipping Line Repair KT&S Pumphouse to Pier 1 Loading Site	Low	Assessment	Undetermined	Ongoing	State
301	Maui	Kahului	Par Kahului Terminal	Medium	Assessment	Undetermined	Ongoing	State
302	Maui	Kahului	Queen Kaahumanu Center Elevator Pipeline	Low	Assessment	Undetermined	Ongoing	State
303	Maui	Kahului	Sears Kahului Auto Center PCB Contamination	Low	Assessment	Undetermined	Ongoing	State
304	Maui	Kahului	VIP Warehouse	Low	Assessment	Undetermined	Ongoing	State
305	Maui	Kihei	A&B Properties Former Agricultural Land Kihei Maui	Medium	Assessment	Undetermined	Ongoing	State
306	Maui	Kihei	HIANG Puunene Communications and Electronics Training Facility	Low	Assessment	Undetermined	Ongoing	State
307	Maui	Kihei	Kamalani Borrow Sites	Medium	Assessment	Undetermined	Ongoing	State



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308	Maui	Kihei	Makena Beach Park Radio Range	Medium	Assessment	Undetermined	Ongoing	PA/SI
309	Maui	Kihei	Murray Air Pesticide Operations Puunene Maui	Low	Assessment	Partially Determined	Ongoing	PA/SI
310	Maui	Kihei	Pulehunui Ahupuaa	Low	Assessment	Undetermined	Ongoing	State
311	Maui	Kula	Kamehamehenui Property	Low	Response	Managed with Institutional Controls	Ongoing	State
312	Maui	Lahaina	Hyatt Regency Maui Resort and Spa	Low	Assessment	Undetermined	Ongoing	State
313	Maui	Lahaina	Kaanapali Transformer Site	Low	Response	Present	Ongoing	State
314	Maui	Lahaina	Kapalua Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
315	Maui	Lahaina	Kapalua Land Company	Low	Assessment	Undetermined	Ongoing	State
316	Maui	Lahaina	Launiupoko Transformer	Low	Assessment	Partially Determined	Ongoing	PA/SI
317	Maui	Lahaina	Maui Land & Pineapple Company Honolua Pesticide Mixing Area	Medium	Response	Present	Ongoing	PA/SI
318	Maui	Lahaina	MECO Submersible Transformer No. 4726	Low	Assessment	Undetermined	Ongoing	State
319	Maui	Lahaina	Olowalu Company Sugar Mill	Low	Assessment	Undetermined	Ongoing	PA/SI
320	Maui	Lahaina	Pioneer Mill Lahainaluna Road Transformers	Low	Assessment	Undetermined	Ongoing	State
321	Maui	Lahaina	Pioneer Mill Tar-impacted Soil	Low	Assessment	Undetermined	Ongoing	State
322	Maui	Lahaina	Train Turnaround Transformer Substation	Low	Assessment	Undetermined	Ongoing	State
323	Maui	Maalaea	Maalaea 710 Acre and 906 Acre Site	Low	Assessment	Undetermined	Ongoing	State
324	Maui	Maalaea	Maalaea Mauka	Low	Assessment	Undetermined	Ongoing	State
325	Maui	Makawao	Grove Ranch	Low	Assessment	Undetermined	Ongoing	State
326	Maui	Makawao	Makawao Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
327	Maui	Makawao	Maui Land & Pineapple Company Haliimaile Pesticide Storage Area	Medium	Response	Present	Ongoing	PA/SI

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328	Maui	Olowalu	Luawai Road Transformer	Low	Assessment	Partially Determined	Ongoing	PA/SI
329	Maui	Olowalu	Olowalu Shaft Transformer Substation	Low	Assessment	Partially Determined	Ongoing	PA/SI
330	Maui	Paia	HC&S CADE Station Field 114	Low	Assessment	Undetermined	Ongoing	State
331	Maui	Paia	Paia Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
332	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Undetermined	Ongoing	PA/SI
333	Maui	Pukalani	Maui Corn Mill Camp	High	Response	Present	Ongoing	State
334	Maui	Puunene	Grace Pacific Maui Paving Camp 6	Low	Assessment	Undetermined	Ongoing	State
335	Maui	Puunene	HC&S Airstrips	Low	Assessment	Undetermined	Ongoing	State
336	Maui	Puunene	HC&S CADE Plant	Low	Assessment	Undetermined	Ongoing	State
337	Maui	Puunene	HIARNG Puunene Armory	Low	Assessment	Undetermined	Ongoing	State
338	Maui	Puunene	Puunene Airport (Dragstrip & Moto-Cross)	Low	Assessment	Undetermined	Ongoing	State
339	Maui	Wailuku	Maalaea Landfill	Low	Assessment	Undetermined	Ongoing	State
340	Maui	Wailuku	MECO Transformer 7597	Low	Response	Present	Ongoing	State
341	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Undetermined	Ongoing	State
342	Maui	Wailuku	Waiale Ash Pile	Low	Response	Present	Ongoing	State
343	Maui	Wailuku	Waihee Elementary	Low	Assessment	Partially Determined	Ongoing	PA/SI
344	Maui	Wailuku	Waihee Elementary School Playfield	Low	Assessment	Undetermined	Ongoing	State
345	Maui	Wailuku	Wailuku Elementary School	Low	Assessment	Partially Determined	Ongoing	PA/SI
346	Maui	Wailuku	Wailuku Sugar Company Agricultural Department Pesticide Mixing	Low	Response	Managed with Institutional Controls	Ongoing	State
347	Midway	Midway Island	NAF Midway Island	Low	Assessment	Undetermined	Ongoing	State
348	Molokai	Hoolehua	Grace Pacific Manawainui Asphalt Plant	Low	Response	Present	Ongoing	State

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349	Molokai	Hoolehua	Grace Pacific Maui Paving Molokai Asphalt Plant-Delete	Low	Response	Present	Ongoing	State
350	Molokai	Ho'olehua	Molokai Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
351	Molokai	Ilio Point	LORAN Station Ilio Point Debris Pile Remediation	Medium	Response	Managed with Institutional Controls	Ongoing	State
352	Molokai	Ilio Point	LORAN Station Ilio Point Secondary Debris Pile	Low	Assessment	Undetermined	Ongoing	State
353	Molokai	Kalaupapa	Kalaupapa Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
354	Molokai	Kalaupapa	Kalaupapa Settlement Historical Burn Area	Low	Response	Present	Ongoing	PA/SI
355	Molokai	Kalaupapa	Kalaupapa Settlement Kitchen Fire Debris	Low	Response	Managed with Institutional Controls	Ongoing	State
356	Molokai	Kalaupapa	Kalaupapa Settlement Molokai Lighthouse	Low	Assessment	Partially Determined	Ongoing	PA/SI
357	Molokai	Kalaupapa	Kalaupapa Settlement Pesticide Shed	Low	Assessment	Partially Determined	Ongoing	PA/SI
358	Molokai	Kalaupapa	Kalaupapa Settlement Transformer	Low	Assessment	Partially Determined	Ongoing	PA/SI
359	Molokai	Kalaupapa	Kalaupapa Settlement Wood Treatment Shed	Low	Assessment	Partially Determined	Ongoing	PA/SI
360	Molokai	Kaunakakai	DLNR Water Line Installation	Medium	Response	Managed with Institutional Controls	Ongoing	State
361	Molokai	Kaunakakai	Galiher-Ono Property	Medium	Response	Present	Ongoing	State
362	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Undetermined	Ongoing	State
363	Molokai	Kaunakakai	Kaunakakai Drainage System B	Medium	Response	Present	Ongoing	State

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364	Molokai	Kaunakakai	Kaunakakai Mauka Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
365	Molokai	Kaunakakai	Kaunakakai Pier Petroleum Discovery	Low	Response	Managed with Institutional Controls	Ongoing	State
366	Molokai	Kaunakakai	Kaunakakai Wharf - DOT Harbors	Medium	Response	Managed with Institutional Controls	Ongoing	State
367	Molokai	Kaunakakai	Kaunakakai Wharf Terminal	Low	Assessment	Undetermined	Ongoing	State
368	Molokai	Kaunakakai	Malama Cultural Park	Low	Assessment	Undetermined	Ongoing	State
369	Molokai	Kaunakakai	Molokai Community Service Center	Low	Response	Managed with Institutional Controls	Ongoing	State
370	Molokai	Kaunakakai	Molokai Electric Company (MOECO) Power Plant Site	Medium	Response	Managed with Institutional Controls	Ongoing	State
371	Molokai	Kaunakakai	Molokai Ranch Yard, UST Removal	Low	Assessment	Undetermined	Ongoing	State
372	Molokai	Kaunakakai	Molokai Trenching at Beach and Kaunakakai	Low	Assessment	Undetermined	Ongoing	State
373	Molokai	Kaunakakai	Pua'ahala Watershed	Low	Assessment	Undetermined	Ongoing	State
374	Molokai	Kualapuu	Del Monte Kualapuu Pesticide Mixing Area	Low	Response	Present	Ongoing	PA/SI
375	Molokai	Maunaloa	Laau Point Mercury-Zinc Battery Clean Up	Low	Response	Present	Ongoing	State
376	Molokai	Maunaloa	Libby McNeill and Libby Maunaloa Pesticide Mixing Area	Low	Response	Present	Ongoing	PA/SI
377	Molokai	Umipaa	Grace Pacific Maui Paving Molokai Asphalt Plant Soil Contamination	Low	Assessment	Undetermined	Ongoing	State
378	Niihau	Keelinawi	LORAN Station Niihau	Low	Assessment	Undetermined	Ongoing	PA/SI
379	Oahu		All State-Owned Airports	Low	Response	Managed with Institutional Controls	Ongoing	State

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380	Oahu		Contracts - AECOM	Low	Assessment	Undetermined	Ongoing	State
381	Oahu		Contracts - PENCO	Low	Assessment	Undetermined	Ongoing	State
382	Oahu		Contracts - TETRA TECH	Low	Assessment	Undetermined	Ongoing	State
383	Oahu		Contracts - UNIVERSITY OF HAWAII	Low	Assessment	Undetermined	Ongoing	State
384	Oahu		DOE Oahu Elementary Schools Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
385	Oahu		DOE Statewide Schools Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
386	Oahu		HDOA Waiahole Reservoirs Project	Low	Assessment	Undetermined	Ongoing	Brownfields
387	Oahu	Aiea	98-55 Kamehameha Highway	Low	Assessment	Undetermined	Ongoing	Brownfields
388	Oahu	Aiea	Aiea Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
389	Oahu	Aiea	Aiea Elementary School Relocated Trailers Renovation	Low	Assessment	Undetermined	Ongoing	State
390	Oahu	Aiea	Aiea Sugar Mill Affordable Housing	Low	Response	Managed with Institutional Controls	Ongoing	Brownfields
391	Oahu	Aiea	DTS Pearlridge Bus Transfer Center	Low	Assessment	Undetermined	Ongoing	State
392	Oahu	Aiea	Goodyear Auto Service	Low	Assessment	Undetermined	Ongoing	State
393	Oahu	Aiea	Grace Pacific Halawa Facility	Low	Response	Present	Ongoing	State
394	Oahu	Aiea	Halawa Animal Quarantine Station	Low	Assessment	Undetermined	Ongoing	State
395	Oahu	Aiea	HART Halawa Station (Aloha Stadium)	Low	Response	Managed with Institutional Controls	Ongoing	State
396	Oahu	Aiea	HART Kalauao Station (Pearlridge)	Low	Assessment	Undetermined	Ongoing	State
397	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Undetermined	Ongoing	State
398	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Undetermined	Ongoing	State
399	Oahu	Aiea	Honolulu Plantation Company - Seed Dipping Vat	Low	Assessment	Undetermined	Ongoing	PA/SI
400	Oahu	Aiea	Honolulu Transit-Oriented Development	Low	Response	Present	Ongoing	Brownfields

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401	Oahu	Aiea	Moanalua Lighting Improvement Project	Low	Assessment	Undetermined	Ongoing	Brownfields
402	Oahu	Aiea	Navy MFH Halawa	Medium	Response	Present	Ongoing	State
403	Oahu	Aiea	Navy MFH McGrew Point	Medium	Response	Present	Ongoing	State
404	Oahu	Aiea	Pearl Ridge Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
405	Oahu	Aiea	Scott Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
406	Oahu	Aiea	Sears Pearlridge #1578 Elevator Jack	Low	Response	Present	Ongoing	State
407	Oahu	Aiea	Sears Pearlridge #1578 Hydraulic Hoist	Low	Response	Present	Ongoing	State
408	Oahu	Aiea	Waimalu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
409	Oahu	Aiea	Webbing Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
410	Oahu	Barbers Point	Barbers Point Harbor Expansion	Low	Response	Present	Ongoing	State
411	Oahu	Barbers Point	Barbers Point Harbor Pier 6 Valve Pit	Low	Assessment	Undetermined	Ongoing	State
412	Oahu	Barbers Point	Barbers Point Harbor Pier 7 and Storage Yard S-6 Lead Contaminated Soil	Low	Assessment	Undetermined	Ongoing	State
413	Oahu	Barbers Point NAS	Barbers Point NAS Building 117	Low	Assessment	Undetermined	Ongoing	State
414	Oahu	Camp HM Smith	Marines MFH Camp H.M. Smith	Medium	Response	Present	Ongoing	State
415	Oahu	Ewa	Ewa Sugar Mill Manager's Mansion and Three-House Camp	Low	Response	Present	Ongoing	Brownfields
416	Oahu	Ewa Beach	Ewa Beach Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
417	Oahu	Ewa Beach	Ewa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
418	Oahu	Ewa Beach	Ewa Plantation Company - Seed Dipping Vat	Low	Assessment	Undetermined	Ongoing	PA/SI
419	Oahu	Ewa Beach	Ewa Repair Shop/Tesoro (Fort Weaver Road)	Low	Assessment	Undetermined	Ongoing	State
420	Oahu	Ewa Beach	Ewa Sugar Mill Oahu Sugar Company Mill Site	Low	Assessment	Undetermined	Ongoing	PA/SI

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421	Oahu	Ewa Beach	Iroquois Point Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
422	Oahu	Ewa Beach	Iroquois Point Radio Range	Low	Assessment	Undetermined	Ongoing	PA/SI
423	Oahu	Ewa Beach	Kaimiloa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
424	Oahu	Ewa Beach	Pohakea Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
425	Oahu	Ewa Beach	Stockpile on Navy Parcel	Low	Assessment	Undetermined	Ongoing	State
426	Oahu	Fort Shafter	Army MFH Fort Shafter Funston Village	Medium	Response	Present	Ongoing	State
427	Oahu	Fort Shafter	Army MFH Fort Shafter Hauoli Heights North	Medium	Response	Present	Ongoing	State
428	Oahu	Fort Shafter	Army MFH Fort Shafter Hauoli Heights South	Medium	Response	Present	Ongoing	State
429	Oahu	Fort Shafter	Army MFH Fort Shafter Palm Circle	Medium	Response	Present	Ongoing	State
430	Oahu	Fort Shafter	Army MFH Fort Shafter Radar Hill	Medium	Response	Present	Ongoing	State
431	Oahu	Fort Shafter	Army MFH Fort Shafter Rice Manor	Medium	Response	Present	Ongoing	State
432	Oahu	Fort Shafter	Army MFH Fort Shafter Simpson-Wisser Community Center	Medium	Response	Present	Ongoing	State
433	Oahu	Fort Shafter	Army MFH Fort Shafter Simpson-Wisser Neighborhood	Medium	Response	Present	Ongoing	State
434	Oahu	Haleiwa	Haleiwa Chevron OU-KSBE	NFAIC	Response	Managed with Institutional Controls	NFAIC	State
435	Oahu	Haleiwa	Haleiwa Commercial Redevelopment	Low	Response	Present	Ongoing	State
436	Oahu	Haleiwa	Haleiwa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
437	Oahu	Haleiwa	Kiikii Stream Maintenance Dredging	Low	Response	Present	Ongoing	State
438	Oahu	Haleiwa	Sunset Beach Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
439	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Present	Ongoing	State

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440	Oahu	Hauula	Hauula Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
441	Oahu	Helemano MR	Army MFH HMR Kalapana	Medium	Response	Present	Ongoing	State
442	Oahu	Helemano MR	Army MFH HMR Kekona	Medium	Response	Present	Ongoing	State
443	Oahu	Helemano MR	Army MFH HMR Kuapale	Medium	Response	Present	Ongoing	State
444	Oahu	Hickam AFB	Air Force MFH Hickam AFB Earhart Minor Renovations	High	Response	Managed with Institutional Controls	Ongoing	State
445	Oahu	Hickam AFB	Air Force MFH Hickam AFB Earhart Village Park II-1	High	Response	Managed with Institutional Controls	Ongoing	State
446	Oahu	Hickam AFB	Air Force MFH Hickam AFB Earhart Village Park II-4	High	Response	Managed with Institutional Controls	Ongoing	State
447	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 01	High	Response	Present	Ongoing	State
448	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 02	High	Response	Present	Ongoing	State
449	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 03	High	Response	Present	Ongoing	State
450	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 04	High	Response	Present	Ongoing	State
451	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 05	High	Response	Present	Ongoing	State
452	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 06	High	Response	Present	Ongoing	State
453	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 07	High	Response	Present	Ongoing	State
454	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 08	High	Response	Present	Ongoing	State
455	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 08 South	High	Response	Present	Ongoing	State
456	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 09	High	Response	Present	Ongoing	State
457	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 10	High	Response	Present	Ongoing	State
458	Oahu	Hickam AFB	Air Force MFH Hickam AFB FGO Block 11	High	Response	Present	Ongoing	State
459	Oahu	Hickam AFB	Air Force MFH Hickam AFB GO-SO Historic Renovations	High	Response	Managed with Institutional Controls	Ongoing	State



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460	Oahu	Hickam AFB	Air Force MFH Hickam AFB Hale Na Koa Minor Renovations	High	Response	Present	Ongoing	State
461	Oahu	Hickam AFB	Air Force MFH Hickam AFB Hickam Field NCO Area	High	Response	Present	Ongoing	State
462	Oahu	Hickam AFB	Air Force MFH Hickam AFB Hickam Field Officer Area	High	Response	Present	Ongoing	State
463	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 01	High	Response	Present	Ongoing	State
464	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 02	High	Response	Present	Ongoing	State
465	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 03	High	Response	Present	Ongoing	State
466	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 04	High	Response	Present	Ongoing	State
467	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 05	High	Response	Present	Ongoing	State
468	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 06	High	Response	Present	Ongoing	State
469	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 07	High	Response	Present	Ongoing	State
470	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 08	High	Response	Present	Ongoing	State
471	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 09	High	Response	Present	Ongoing	State
472	Oahu	Hickam AFB	Air Force MFH Hickam AFB JNCO Block 10	High	Response	Present	Ongoing	State
473	Oahu	Hickam AFB	Air Force MFH Hickam AFB Onizuka II-2	High	Response	Managed with Institutional Controls	Ongoing	State
474	Oahu	Hickam AFB	Air Force MFH Hickam AFB Onizuka II-3	High	Response	Managed with Institutional Controls	Ongoing	State
475	Oahu	Hickam AFB	Air Force MFH Hickam AFB SNCO Block 1	High	Response	Present	Ongoing	State
476	Oahu	Hickam AFB	Air Force MFH Hickam AFB SNCO Block 2	High	Response	Present	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
477	Oahu	Hickam AFB	Air Force MFH Hickam AFB SNCO Block 3	High	Response	Present	Ongoing	State
478	Oahu	Hickam AFB	Air Force MFH Hickam AFB SO Minor Renovation	High	Response	Present	Ongoing	State
479	Oahu	Hickam AFB	HIANG Hickam Air Force Base	Low	Assessment	Undetermined	Ongoing	State
480	Oahu	Hickam AFB	Hickam AFB Drilling for Solar Parking Structures	Low	Assessment	Undetermined	Ongoing	State
481	Oahu	Hickam AFB	Hickam AFB HIANG F22 Parking Apron	Low	Response	Present	Ongoing	State
482	Oahu	Hickam AFB	Hickam Elementary School Library	Medium	Assessment	Undetermined	Ongoing	State
483	Oahu	Honolulu	The Park on Keeaumoku	Low	Assessment	Undetermined	Ongoing	State
484	Oahu	Honolulu	1336 Dillingham Boulevard	Medium	Response	Present	Ongoing	State
485	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Present	Ongoing	State
486	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Present	Ongoing	State
487	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Undetermined	Ongoing	State
488	Oahu	Honolulu	1812 Colburn Street Site	Medium	Response	Managed with Institutional Controls	Ongoing	State
489	Oahu	Honolulu	1911 Keeaumoku Street	Low	Assessment	Undetermined	Ongoing	State
490	Oahu	Honolulu	2051-2057 Kalakaua Avenue	Low	Assessment	Undetermined	Ongoing	State
491	Oahu	Honolulu	2135 Auiki St	Medium	Response	Present	Ongoing	State
492	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Present	Ongoing	State
493	Oahu	Honolulu	2250 Pahounui Drive	Medium	Assessment	Undetermined	Ongoing	State
494	Oahu	Honolulu	2939 and 2949 Koapaka Street UST	Low	Assessment	Undetermined	Ongoing	State
495	Oahu	Honolulu	2958 Ualena Street	Low	Assessment	Undetermined	Ongoing	Brownfields
496	Oahu	Honolulu	333 & 351 N King Street	Low	Response	Present	Ongoing	State
497	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Managed with Institutional Controls	Ongoing	State
498	Oahu	Honolulu	393 North King Street	Low	Assessment	Undetermined	Ongoing	Brownfields

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499	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Assessment	Undetermined	Ongoing	State
500	Oahu	Honolulu	458 Keawe Street	Low	Assessment	Undetermined	Ongoing	State
501	Oahu	Honolulu	524 Kaaahi Street	Low	Response	Managed with Institutional Controls	Ongoing	State
502	Oahu	Honolulu	555 South Street	Low	Assessment	Undetermined	Ongoing	Brownfields
503	Oahu	Honolulu	580 North Nimitz	Low	Response	Managed with Institutional Controls	Ongoing	State
504	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Response	Managed with Institutional Controls	Ongoing	State
505	Oahu	Honolulu	604 Ala Moana Boulevard/The Collections	Medium	Response	Present	Ongoing	State
506	Oahu	Honolulu	609 Waiakamilo Road UST	Low	Assessment	Undetermined	Ongoing	State
507	Oahu	Honolulu	653 Kakoi Street	Low	Assessment	Undetermined	Ongoing	State
508	Oahu	Honolulu	710 North King Street	Low	Response	Managed with Institutional Controls	Ongoing	State
509	Oahu	Honolulu	755 North Nimitz Highway	Medium	Response	Present	Ongoing	State
510	Oahu	Honolulu	760 Halekauwila Street VRP Site 33	Medium	Response	Managed with Institutional Controls	Ongoing	VRP
511	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Managed with Institutional Controls	Ongoing	State
512	Oahu	Honolulu	801 South Hotel Street	Medium	Assessment	Undetermined	Ongoing	State
513	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Present	Ongoing	State
514	Oahu	Honolulu	868 Queen Street, 819, 835 and 841 Kawaiahao Street	Low	Response	Present	Ongoing	State
515	Oahu	Honolulu	916 Kaamahu Place	Low	Assessment	Undetermined	Ongoing	Brownfields
516	Oahu	Honolulu	922 Kaamahu Place	Low	Assessment	Undetermined	Ongoing	Brownfields

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517	Oahu	Honolulu	938 Kohou Street	Low	Assessment	Undetermined	Ongoing	State
518	Oahu	Honolulu	Aina Haina Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
519	Oahu	Honolulu	Aina Haina Public Library Dieldrin Discovery	Low	Response	Managed with Institutional Controls	Ongoing	State
520	Oahu	Honolulu	Airport Used Car Rental Inc.	Low	Assessment	Undetermined	Ongoing	State
521	Oahu	Honolulu	Ala Moana Plaza	Low	Response	Present	Ongoing	State
522	Oahu	Honolulu	Ala Wai Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
523	Oahu	Honolulu	Aliamanu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
524	Oahu	Honolulu	Aliiolani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
525	Oahu	Honolulu	Allstate Industrial & Marine Cleaning	Low	Response	Present	Ongoing	State
526	Oahu	Honolulu	Aloha Air Cargo	Low	Assessment	Undetermined	Ongoing	State
527	Oahu	Honolulu	Aloha Petroleum Honolulu Terminal	Medium	Response	Managed with Institutional Controls	Ongoing	State
528	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Undetermined	Ongoing	State
529	Oahu	Honolulu	Ameron Hawaii Sand Island Facility	Medium	Response	Managed with Institutional Controls	Ongoing	State
530	Oahu	Honolulu	Anuenue Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
531	Oahu	Honolulu	Army MFH AMR Bougainville	Medium	Response	Present	Ongoing	State
532	Oahu	Honolulu	Army MFH AMR Hibiscus	Medium	Response	Present	Ongoing	State
533	Oahu	Honolulu	Army MFH AMR Makai View	Medium	Response	Present	Ongoing	State
534	Oahu	Honolulu	Army MFH AMR Plumeria	Medium	Response	Present	Ongoing	State
535	Oahu	Honolulu	Army MFH AMR Rim Loop	Medium	Response	Present	Ongoing	State
536	Oahu	Honolulu	Army MFH AMR Skyview	Medium	Response	Present	Ongoing	State

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537	Oahu	Honolulu	Army MFH AMR Valley View	Medium	Response	Present	Ongoing	State
538	Oahu	Honolulu	Army MFH Army Hawaii Family Housing ADMIN FILE	Medium	Response	Present	Ongoing	State
539	Oahu	Honolulu	Awa Street Wastewater Pump Station and Force Main Improvements	Low	Response	Managed with Institutional Controls	Ongoing	State
540	Oahu	Honolulu	BHP Gas Express #11	Low	Assessment	Undetermined	Ongoing	State
541	Oahu	Honolulu	BHP Gasco Benzene Site	High	Response	Managed with Institutional Controls	Ongoing	State
542	Oahu	Honolulu	Bill's Crane Service	Low	Assessment	Undetermined	Ongoing	State
543	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	Low	Response	Managed with Institutional Controls	Ongoing	State
544	Oahu	Honolulu	BWS Beretania Pumping Station	Low	Assessment	Undetermined	Ongoing	State
545	Oahu	Honolulu	BWS Pump House N King Street	Low	Response	Managed with Institutional Controls	Ongoing	State
546	Oahu	Honolulu	Charles H. Atherton House and Atherton YMCA	Low	Assessment	Undetermined	Ongoing	State
547	Oahu	Honolulu	Chevron Bulk Fuel Loading Rack Driveway	Low	Assessment	Undetermined	Ongoing	State
548	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Present	Ongoing	State
549	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Present	Ongoing	State
550	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Response	Managed with Institutional Controls	Ongoing	State
551	Oahu	Honolulu	Citizens Energy Services Pier 38	Low	Response	Present	Ongoing	State
552	Oahu	Honolulu	City Square Annex	Low	Assessment	Undetermined	Ongoing	State
553	Oahu	Honolulu	Classic Bowl	Medium	Response	Managed with Institutional Controls	Ongoing	State

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554	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Medium	Response	Present	Ongoing	State
555	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Medium	Response	Present	Ongoing	State
556	Oahu	Honolulu	Daniel K. Inouye International Airport	Medium	Response	Managed with Institutional Controls	Ongoing	State
	Oahu	Honolulu	Dillingham Management Area	Low	Response	Managed with Institutional Controls	Ongoing	State
557	Oahu	Honolulu	DLNR Buried Drum Site	Low	Response	Present	Ongoing	State
558	Oahu	Honolulu	Dole Cannery	Medium	Assessment	Undetermined	Ongoing	State
559	Oahu	Honolulu	Dole Cannery Complex	Low	Assessment	Undetermined	Ongoing	State
560	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Managed with Institutional Controls	Ongoing	State
	Oahu	Honolulu	DOT-A Parcel at Honolulu Harbor (34-A Lot)	Medium	Assessment	Undetermined	Ongoing	State
561	Oahu	HONOLULU	DR. SUN YAT-SEN MEMORIAL PARK	Low	Response	Present	Ongoing	State
562	Oahu	Honolulu	Electric Distribution Modernization Phase I	Low	Assessment	Undetermined	Ongoing	State
563	Oahu	Honolulu	Farrington High School Firing Range	High	Assessment	Undetermined	Ongoing	State
564	Oahu	Honolulu	Fern Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
565	Oahu	Honolulu	Former ARCO Hawaii Kai Station	Low	Response	Present	Ongoing	State
566	Oahu	Honolulu	Former Gas Station Investigation	Low	Assessment	Undetermined	Ongoing	State
567	Oahu	Honolulu	Former General Printing Company	Medium	Assessment	Undetermined	Ongoing	State
568	Oahu	Honolulu	Fort DeRussy Military Reservation UST System	Low	Assessment	Undetermined	Ongoing	State
569	Oahu	Honolulu	Fred L. Waldron Feed Mill	Low	Response	Managed with Institutional Controls	Ongoing	State
	Oahu	Honolulu						

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572	Oahu	Honolulu	Goodwill Beretania Street	Low	Response	Managed with Institutional Controls	Ongoing	State
573	Oahu	Honolulu	Hahaione Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
574	Oahu	Honolulu	Hale Koa Hotel	Low	Assessment	Undetermined	Ongoing	State
575	Oahu	Honolulu	Hale Makana O Maili	Low	Assessment	Undetermined	Ongoing	State
576	Oahu	Honolulu	Hale Makana O Moiliili	Low	Response	Present	Ongoing	Brownfields
577	Oahu	Honolulu	Hale O Kekaulike Affordable Rental Housing	Low	Assessment	Undetermined	Ongoing	State
578	Oahu	Honolulu	Hale Pua Nui Apartments UST Removal	Low	Response	Present	Ongoing	State
579	Oahu	Honolulu	Halekauwila Street between Keawe Street and Coral Street	Low	Assessment	Undetermined	Ongoing	State
580	Oahu	Honolulu	Halewaiolu Residences - 1331 -1337 River Street Release ID No. 20210924-1054	Low	Assessment	Undetermined	Ongoing	State
581	Oahu	Honolulu	HART City Center Segment	Low	Assessment	Undetermined	Ongoing	State
582	Oahu	Honolulu	HART HECO Downtown Station	Low	Assessment	Undetermined	Ongoing	State
583	Oahu	Honolulu	HART Kaakaukui Station (Civic Center)	Low	Response	Present	Ongoing	State
584	Oahu	Honolulu	HART Kuwili Station (Iwilei)	Low	Response	Managed with Institutional Controls	Ongoing	State
585	Oahu	Honolulu	HART Lelepaua Station (Airport)	Low	Response	Managed with Institutional Controls	Ongoing	State
586	Oahu	Honolulu	HART Mokauea Station (Kalihi)	Low	Response	Managed with Institutional Controls	Ongoing	State
587	Oahu	Honolulu	HART Release - STG 20210804-1531	Low	Assessment	Partially Determined	Ongoing	State
588	Oahu	Honolulu	Hart Street Sewer Line Replacement Project	Low	Assessment	Undetermined	Ongoing	Brownfields

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589	Oahu	Honolulu	Hawaii Hocht	Low	Response	Managed with Institutional Controls	Ongoing	State
590	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Response	Present	Ongoing	State
591	Oahu	Honolulu	Hawaii Kai Marina Maintenance Dredging	Low	Assessment	Undetermined	Ongoing	State
592	Oahu	Honolulu	Hawaii Law Enforcement Federal Credit Union	Low	Response	Managed with Institutional Controls	Ongoing	State
593	Oahu	Honolulu	Hawaii Lead Company	Low	Assessment	Undetermined	Ongoing	State
594	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Low	Response	Present	Ongoing	State
595	Oahu	Honolulu	Hawaii Public Housing Authority Administration Offices and Baseyard - Affordable Housing	Low	Assessment	Undetermined	Ongoing	Brownfields
596	Oahu	Honolulu	Hawaii School for the Deaf and Blind (HSDB) Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
597	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Present	Ongoing	State
598	Oahu	Honolulu	Hawaii Transfer Company Pier 36	Low	Response	Present	Ongoing	State
599	Oahu	Honolulu	Hawaiian Electric Iwilei Substation	Low	Assessment	Partially Determined	Ongoing	State
600	Oahu	Honolulu	Hawaiian Flour Mill	Low	Response	Present	Ongoing	State
601	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Present	Ongoing	State
602	Oahu	Honolulu	Hawaiian Macadamia Nut Company Pesticide Mixing Area	Low	Assessment	Partially Determined	Ongoing	PA/SI
603	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Undetermined	Ongoing	State
604	Oahu	Honolulu	HECO Fuel Oil Pipeline Route State Energy Corridor	Low	Assessment	Undetermined	Ongoing	State
605	Oahu	Honolulu	HECO Iwilei Tank Yard	Low	Response	Managed with Institutional Controls	Ongoing	State
606	Oahu	Honolulu	HECO Parking Lot and Alley	Medium	Assessment	Undetermined	Ongoing	State
607	Oahu	Honolulu	HECO Pukele Substation	Low	Assessment	Undetermined	Ongoing	State



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608	Oahu	Honolulu	HFFC Honolulu Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
609	Oahu	Honolulu	HFFC Honolulu Airport Fueling Plants	Low	Response	Present	Ongoing	State
610	Oahu	Honolulu	HFFC Sand Island Kapalama Terminal Jet Fuel Pipeline	Low	Response	Managed with Institutional Controls	Ongoing	State
611	Oahu	Honolulu	HFFC Sand Island Slurry Wall Trench	Medium	Response	Present	Ongoing	State
612	Oahu	Honolulu	HFFC Sand Island Sump Pit Release	Low	Response	Present	Ongoing	State
613	Oahu	Honolulu	Hickam AFB JP-4 Spill	Low	Assessment	Undetermined	Ongoing	State
614	Oahu	Honolulu	Hickam AFB Leaking Fuel Pit Near Building 2028	Low	Assessment	Undetermined	Ongoing	State
615	Oahu	Honolulu	Hickam AFB Leaking Tank E-1120	Low	Assessment	Undetermined	Ongoing	State
616	Oahu	Honolulu	Hickam AFB New Burger King Restaurant Site	Low	Assessment	Undetermined	Ongoing	State
617	Oahu	Honolulu	Hickam AFB Slot 20 Bravo	Low	Assessment	Undetermined	Ongoing	State
618	Oahu	Honolulu	Hickam AFB ST35 F-5-2105 600 gal steel UST	Low	Assessment	Undetermined	Ongoing	State
619	Oahu	Honolulu	Hickam AFB ST35 UST F-22A	Low	Assessment	Undetermined	Ongoing	State
620	Oahu	Honolulu	Hickam AFB ST38, Subsite 3318B Underground Storage Tank	Low	Response	Present	Ongoing	State
621	Oahu	Honolulu	Hickam AFB ST38, Subsite 3318C UST adjacent to Building 3318 Battery Hasebrouck	Low	Assessment	Undetermined	Ongoing	State
622	Oahu	Honolulu	Hickam AFB-Battery Hawkins UST Release	Low	Assessment	Undetermined	Ongoing	State
623	Oahu	Honolulu	Hickam Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
624	Oahu	Honolulu	HNL ARFF Station No 2	Low	Response	Present	Ongoing	State
625	Oahu	Honolulu	HNL Runway 8L Widening Project AO1021-27	Low	Assessment	Undetermined	Ongoing	State

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626	Oahu	Honolulu	Hokulani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
627	Oahu	Honolulu	Honolulu Airport Diamondhead Site Improvements	Low	Assessment	Undetermined	Ongoing	State
628	Oahu	Honolulu	Honolulu Airport Former Commuter Terminal	Medium	Response	Managed with Institutional Controls	Ongoing	State
629	Oahu	Honolulu	Honolulu Airport Interim Car Rental Facility	Low	Response	Present	Ongoing	State
630	Oahu	Honolulu	Honolulu Harbor	Low	Response	Managed with Institutional Controls	Ongoing	State
631	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1A	High	Response	Present	Ongoing	State
632	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1B	High	Response	Managed with Institutional Controls	Ongoing	State
633	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU2	High	Response	Present	Ongoing	State
634	Oahu	Honolulu	Honolulu Harbor Pier 12 and Pier 15 Improvements	Medium	Assessment	Undetermined	Ongoing	State
635	Oahu	Honolulu	Honolulu Harbor Pier 20 Dredge Project	Low	Assessment	Undetermined	Ongoing	State
636	Oahu	Honolulu	Honolulu Harbor Pier 32 Entrance Canal	Low	Assessment	Undetermined	Ongoing	State
637	Oahu	Honolulu	Honolulu Harbor Pier 35 Chevron Pipeline Release	Medium	Response	Present	Ongoing	State
638	Oahu	Honolulu	Honolulu Harbor Sand Island Unit	Low	Assessment	Undetermined	Ongoing	State
639	Oahu	Honolulu	Honolulu International Airport Air Conditioning Modification, Phase I	Low	Assessment	Undetermined	Ongoing	State
640	Oahu	Honolulu	Honolulu International Airport Elliott Street Parking Lot	Low	Assessment	Undetermined	Ongoing	State
641	Oahu	Honolulu	Honolulu International Airport Hawaiian Airlines Maintenance Facility	Medium	Assessment	Undetermined	Ongoing	State
642	Oahu	Honolulu	Honolulu International Airport Interisland Maintenance Facility	Low	Response	Present	Ongoing	State

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643	Oahu	Honolulu	Honolulu International Airport International Terminal Building and Hardstand Projects	Low	Response	Present	Ongoing	State
644	Oahu	Honolulu	Honolulu International Airport NDWP Widen Taxiways G & L	High	Response	Managed with Institutional Controls	Ongoing	State
645	Oahu	Honolulu	Honolulu International Airport Parking Lot C and J Transformer Replacement	Low	Response	Present	Ongoing	State
646	Oahu	Honolulu	Honolulu International Airport Reef Runway	Low	Assessment	Undetermined	Ongoing	State
647	Oahu	Honolulu	Honolulu International Airport Runway 8L	Low	Assessment	Undetermined	Ongoing	State
648	Oahu	Honolulu	Honolulu International Airport Solvent Plume - Lot J/Parking Structure Area	Medium	Response	Managed with Institutional Controls	Ongoing	State
649	Oahu	Honolulu	Honolulu International Airport TCE Plume	Low	Response	Present	Ongoing	State
650	Oahu	Honolulu	Honolulu Marine Small Boat Shipyard at Keehi Lagoon	Low	Response	Managed with Institutional Controls	Ongoing	State
651	Oahu	Honolulu	Honolulu Marine Water Trench B	Low	Response	Managed with Institutional Controls	Ongoing	State
652	Oahu	Honolulu	Honolulu Rail Transit Project	Low	Response	Managed with Institutional Controls	Ongoing	State
653	Oahu	Honolulu	Honolulu Seawater Air Conditioning Project	High	Response	Managed with Institutional Controls	Ongoing	State
654	Oahu	Honolulu	Honolulu Shipyard, Inc.	Low	Response	Present	Ongoing	State
655	Oahu	Honolulu	IES Honolulu Transportation Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State

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656	Oahu	Honolulu	Ililani	Low	Response	Managed with Institutional Controls	Ongoing	State
657	Oahu	Honolulu	Innovation Block at Lot C	Low	Response	Managed with Institutional Controls	Ongoing	State
658	Oahu	Honolulu	Island Energy Services (IES) Honolulu Marine Terminal	Medium	Response	Managed with Institutional Controls	Ongoing	State
659	Oahu	Honolulu	Island Movers, Inc.	Low	Assessment	Undetermined	Ongoing	State
660	Oahu	Honolulu	Island Recycling Fire	Low	Response	Present	Ongoing	State
661	Oahu	Honolulu	Iwilei Center VRP Site 34	Low	Response	Present	Ongoing	VRP
662	Oahu	Honolulu	Iwilei Project Site	Low	Response	Present	Ongoing	Brownfields
663	Oahu	Honolulu	Jefferson Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
664	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Low	Assessment	Undetermined	Ongoing	State
665	Oahu	Honolulu	Kaahumanu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
666	Oahu	Honolulu	Kaewai Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
667	Oahu	Honolulu	Kahala Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
668	Oahu	Honolulu	Kaimuki Gateway	Low	Response	Managed with Institutional Controls	Ongoing	State
669	Oahu	Honolulu	Kaiser Moanalua Medical Center and Clinic	Medium	Response	Present	Ongoing	State
670	Oahu	Honolulu	Kaiulani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
671	Oahu	Honolulu	Kakaako Block C	Low	Assessment	Undetermined	Ongoing	Brownfields
672	Oahu	Honolulu	Kakaako Brownfield Project-Unit 1	Medium	Response	Present	Ongoing	Brownfields
673	Oahu	Honolulu	Kakaako Brownfield Project-Unit 10	Low	Assessment	Undetermined	Ongoing	Brownfields

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
674	Oahu	Honolulu	Kakaako Brownfield Project-Unit 2	Medium	Response	Present	Ongoing	Brownfields
675	Oahu	Honolulu	Kakaako Brownfield Project-Unit 3	Medium	Response	Present	Ongoing	Brownfields
676	Oahu	Honolulu	Kakaako Brownfield Project-Unit 4	Medium	Response	Present	Ongoing	Brownfields
677	Oahu	Honolulu	Kakaako Brownfield Project-Unit 5	Medium	Response	Present	Ongoing	Brownfields
678	Oahu	Honolulu	Kakaako Brownfield Project-Unit 6	Medium	Response	Present	Ongoing	Brownfields
679	Oahu	Honolulu	Kakaako Brownfield Project-Unit 7	Medium	Response	Present	Ongoing	Brownfields
680	Oahu	Honolulu	Kakaako Brownfield Project-Unit 8	Medium	Response	Present	Ongoing	Brownfields
681	Oahu	Honolulu	Kakaako Brownfield Project-Unit 9	Medium	Response	Present	Ongoing	Brownfields
682	Oahu	Honolulu	Kakaako Improvement District 2	Low	Assessment	Undetermined	Ongoing	Brownfields
683	Oahu	Honolulu	Kakaako Improvement District 3	Medium	Assessment	Undetermined	Ongoing	Brownfields
684	Oahu	Honolulu	Kakaako Improvement District 4	Low	Assessment	Undetermined	Ongoing	Brownfields
685	Oahu	Honolulu	Kakaako Improvement District 7	Low	Assessment	Undetermined	Ongoing	Brownfields
686	Oahu	Honolulu	Kakaako Improvement District Program	Low	Assessment	Undetermined	Ongoing	Brownfields
687	Oahu	Honolulu	Kakaako Maintenance Shed	Low	Response	Managed with Institutional Controls	Ongoing	State
688	Oahu	Honolulu	Kakaako Makai Brownfields/HCDA	High	Response	Managed with Institutional Controls	Ongoing	Brownfields
689	Oahu	Honolulu	Kakaako Makai District John Dominis	Medium	Response	Managed with Institutional Controls	Ongoing	State
690	Oahu	Honolulu	Kakaako Makai District Parking Garage-Unit 1and 3	Medium	Response	Present	Ongoing	State
691	Oahu	Honolulu	Kakaako Makai District Units 2 and 4	Medium	Response	Managed with Institutional Controls	Ongoing	State
692	Oahu	Honolulu	Kakaako Makai District Units 6 and 7	High	Response	Present	Ongoing	Brownfields

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
693	Oahu	Honolulu	Kakaako Makai-check and delete	Low	Response	Managed with Institutional Controls	Ongoing	State
694	Oahu	Honolulu	Kakaako Mauka	Low	Assessment	Undetermined	Ongoing	Brownfields
695	Oahu	Honolulu	Kakaako Pumping Station	Low	Response	Managed with Institutional Controls	Ongoing	State
696	Oahu	Honolulu	Kalihi Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
697	Oahu	Honolulu	Kalihi Kai Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
698	Oahu	Honolulu	Kalihi Uka Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
699	Oahu	Honolulu	Kalihi Waena Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
700	Oahu	Honolulu	Kamiloiki Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
701	Oahu	Honolulu	Kapalama Container Yard	High	Response	Managed with Institutional Controls	Ongoing	State
702	Oahu	Honolulu	Kapalama Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
703	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Managed with Institutional Controls	Ongoing	State
704	Oahu	Honolulu	Kapalama Military Reservation	Low	Response	Managed with Institutional Controls	Ongoing	State
705	Oahu	Honolulu	Kapiolani Community College Culinary Institute of the Pacific	Low	Response	Managed with Institutional Controls	Ongoing	State
706	Oahu	Honolulu	Kauluwela Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State

**HSRP LIST OF PRIORITY SITES FY2022**

<b>HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022</b>								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
707	Oahu	Honolulu	Keehi Industrial Lots Improvements (KIPA), Honolulu Harbor	Low	Response	Managed with Institutional Controls	Ongoing	State
708	Oahu	Honolulu	Koko Crater Abandoned Transformers	Low	Assessment	Undetermined	Ongoing	State
709	Oahu	Honolulu	Koko Head Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
710	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Assessment	Undetermined	Ongoing	Brownfields
711	Oahu	Honolulu	Kuakini Medical Center	Low	Assessment	Undetermined	Ongoing	State
712	Oahu	Honolulu	Kuhio Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
713	Oahu	Honolulu	Kuhio Park Terrace, Units D1 and D2	Low	Response	Managed with Institutional Controls	Ongoing	Brownfields
714	Oahu	Honolulu	Lagoon Chevron	Low	Assessment	Undetermined	Ongoing	State
715	Oahu	Honolulu	Lanakila Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
	Oahu	Honolulu	Leahi Hospital UST Removal Project	Low	Response	Managed with Institutional Controls	Ongoing	State
716	Oahu	Honolulu	Liholiho Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
717	Oahu	Honolulu	Likelike Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
718	Oahu	Honolulu	Likelike Elementary School Custodian Cottage	Low	Response	Present	Ongoing	State
719	Oahu	Honolulu	Liliha Civic Center	Low	Response	Managed with Institutional Controls	Ongoing	State
720	Oahu	Honolulu	Linapuni Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
721	Oahu	Honolulu	Lincoln Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
722	Oahu	Honolulu	Lockheed Air Terminal	Medium	Response	Present	Ongoing	PA/SI

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
724	Oahu	Honolulu	Love's Bakery (911 Middle St)	Low	Assessment	Undetermined	Ongoing	State
	Oahu	Honolulu	Lunalilo Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
725			Exterior Soils					
	Oahu	Honolulu	Maemae Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
726			Exterior Soils					
	Oahu	Honolulu	Makalapa Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
727			Exterior Soils					
	Oahu	Honolulu	Manoa Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
728			Exterior Soils					
	Oahu	Honolulu	Manuwai Drainage Canal	Low	Response	Managed with Institutional Controls	Ongoing	State
729								
	Oahu	Honolulu	Marconi Wireless Receiving Station Koko Head	Low	Assessment	Undetermined	Ongoing	PA/SI
730								
	Oahu	Honolulu	Matson Navigation Company	Low	Assessment	Undetermined	Ongoing	State
731								
	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd.	Low	Assessment	Undetermined	Ongoing	State
732								
	Oahu	Honolulu	McDonald's Restaurant Soil & Groundwater Contamination	Low	Assessment	Undetermined	Ongoing	State
733								
	Oahu	Honolulu	Miyazaki Service Station	Low	Assessment	Undetermined	Ongoing	State
734								
	Oahu	Honolulu	Moanalua Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
735			Exterior Soils					
	Oahu	Honolulu	Mokulele Elementary School Building	Low	Assessment	Undetermined	Ongoing	State
736			Exterior Soils					
	Oahu	Honolulu	Navy MFH Camp Stover	Medium	Response	Present	Ongoing	State
737								
	Oahu	Honolulu	Navy MFH Catlin Park	Medium	Response	Present	Ongoing	State
738								
	Oahu	Honolulu	Navy MFH Doris Miller Park	Medium	Response	Present	Ongoing	State
739								
	Oahu	Honolulu	Navy MFH Hale Alii	Medium	Response	Present	Ongoing	State
740								
	Oahu	Honolulu	Navy MFH Hale Moku	Medium	Response	Present	Ongoing	State
741								
	Oahu	Honolulu	Navy MFH Halsey Terrace	Medium	Response	Present	Ongoing	State
742								
	Oahu	Honolulu	Navy MFH Hokulani	Medium	Response	Present	Ongoing	State
743								



HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
744	Oahu	Honolulu	Navy MFH Hospital Point	Medium	Response	Present	Ongoing	State
745	Oahu	Honolulu	Navy MFH Little Makalapa	Medium	Response	Present	Ongoing	State
746	Oahu	Honolulu	Navy MFH Makalapa	Medium	Response	Present	Ongoing	State
747	Oahu	Honolulu	Navy MFH Maloelap	Medium	Response	Present	Ongoing	State
748	Oahu	Honolulu	Navy MFH Marine Barracks	Medium	Response	Present	Ongoing	State
749	Oahu	Honolulu	Navy MFH Moanalua Terrace	Medium	Response	Present	Ongoing	State
750	Oahu	Honolulu	Navy MFH Ohana Military Communities ADMIN FILE	Medium	Response	Present	Ongoing	State
751	Oahu	Honolulu	Navy MFH Radford Terrace	Medium	Response	Present	Ongoing	State
752	Oahu	Honolulu	Navy MFH Red Hill Terrace	Medium	Response	Present	Ongoing	State
753	Oahu	Honolulu	Nimitz Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
754	Oahu	Honolulu	Nimitz Highway Relief Sewer	Low	Response	Present	Ongoing	State
755	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Present	Ongoing	State
756	Oahu	Honolulu	NOAA Daniel K. Inouye Regional Center	Low	Assessment	Undetermined	Ongoing	State
757	Oahu	Honolulu	Noelani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
758	Oahu	Honolulu	Nuuanu Auto Company Ltd	Low	Assessment	Undetermined	Ongoing	State
759	Oahu	Honolulu	Nuuanu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
760	Oahu	Honolulu	PA/SI Kalihi Honolulu Wood Treating Co, Ltd	Medium	Assessment	Undetermined	Ongoing	PA/SI
761	Oahu	Honolulu	Paiea Redevelopment Property	Low	Assessment	Undetermined	Ongoing	State
762	Oahu	Honolulu	Pali Highway Lead Contamination	Low	Response	Managed with Institutional Controls	Ongoing	State
763	Oahu	Honolulu	Palolo Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
764	Oahu	Honolulu	Par Sand Island Terminal	Medium	Response	Managed with Institutional Controls	Ongoing	State
765	Oahu	Honolulu	Pauoa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
766	Oahu	Honolulu	Pearl Harbor Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
767	Oahu	Honolulu	Pearl Harbor Kai Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
768	Oahu	Honolulu	Petroleum-Oil-Lubricants (POL) Relocation Project	Low	Assessment	Undetermined	Ongoing	State
769	Oahu	Honolulu	Pflueger Oil-Water Separator	Low	Assessment	Undetermined	Ongoing	State
770	Oahu	Honolulu	Polynesian Hospitality	Low	Response	Present	Ongoing	State
771	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Managed with Institutional Controls	Ongoing	State
772	Oahu	Honolulu	Punahou School Grades 2-5 Project	Medium	Response	Present	Ongoing	State
773	Oahu	Honolulu	Punahou School Winne Units C and D	Medium	Response	Managed with Institutional Controls	Ongoing	State
774	Oahu	Honolulu	Puuhale Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
775	Oahu	Honolulu	Queens Medical Center	Low	Assessment	Undetermined	Ongoing	State
776	Oahu	Honolulu	Radford High School Field & Athletic Complex	Medium	Response	Managed with Institutional Controls	Ongoing	State
777	Oahu	Honolulu	Red Hill Bulk Fuel Storage Facility	Low	Assessment	Undetermined	Ongoing	State
778	Oahu	Honolulu	Red Hill Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
779	Oahu	Honolulu	Republican & Libby Streets, burnt van	Low	Assessment	Undetermined	Ongoing	State
780	Oahu	Honolulu	Ritz Carlton Waikiki Residence & Resort	Medium	Response	Managed with Institutional Controls	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
781	Oahu	Honolulu	Roosevelt High School Firing Range	Low	Assessment	Partially Determined	Ongoing	PA/SI
782	Oahu	Honolulu	Royal Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
783	Oahu	Honolulu	Salt Lake Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
784	Oahu	Honolulu	Sand Island Access Road Area-wide Petroleum Release	Medium	Assessment	Undetermined	Ongoing	State
785	Oahu	Honolulu	Sand Island Housing First Project	Low	Assessment	Partially Determined	Ongoing	PA/SI
786	Oahu	Honolulu	Sause Brothers	Low	Response	Present	Ongoing	State
787	Oahu	Honolulu	Sea-Land Service	Low	Assessment	Undetermined	Ongoing	State
788	Oahu	Honolulu	Shafter Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
789	Oahu	Honolulu	Shell Station Demolition Site - Lagoon Drive and Ualena Street	Low	Response	Managed with Institutional Controls	Ongoing	State
790	Oahu	Honolulu	Signature Flight Support - Honolulu International Airport	NFA	Response	None	NFA	State
791	Oahu	Honolulu	Sky Ala Moana	Low	Response	Managed with Institutional Controls	Ongoing	State
792	Oahu	Honolulu	Superblock Project	Low	Assessment	Undetermined	Ongoing	State
793	Oahu	Honolulu	Tajiri Lumber	Low	Assessment	Undetermined	Ongoing	State
794	Oahu	Honolulu	The Park Ward Village Block H	Low	Response	Present	Ongoing	State
795	Oahu	Honolulu	Towco Sand Island	Low	Assessment	Undetermined	Ongoing	State
796	Oahu	Honolulu	Ualena Street Phase I Parcels	Low	Assessment	Undetermined	Ongoing	State
797	Oahu	Honolulu	UH Bachman Hall Renovation	Low	Assessment	Undetermined	Ongoing	State
798	Oahu	Honolulu	UH Manoa Bilger Addition Compressor Room	Low	Assessment	Undetermined	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
799	Oahu	Honolulu	UH Manoa Frear Hall Construction Project	Low	Response	Managed with Institutional Controls	Ongoing	State
800	Oahu	Honolulu	UH Manoa Henke Hall	Low	Response	Managed with Institutional Controls	Ongoing	State
801	Oahu	Honolulu	UH Manoa Kennedy Theatre Orchestra Platform	Low	Assessment	Undetermined	Ongoing	State
802	Oahu	Honolulu	UH Manoa Marine Center Relocation Area Piers 34 and 35	Medium	Response	Managed with Institutional Controls	Ongoing	State
803	Oahu	Honolulu	UH Manoa Shidler College of Business Site Improvements	Low	Assessment	Undetermined	Ongoing	State
804	Oahu	Honolulu	UH Manoa Synder Hall	NFA	Response	None	NFA	State
805	Oahu	Honolulu	University Laboratory School Buildings 1 and 2	Low	Response	Managed with Institutional Controls	Ongoing	State
806	Oahu	Honolulu	University of Hawaii Interchange	Low	Assessment	Undetermined	Ongoing	State
807	Oahu	Honolulu	UST at 2906 Kaihikapu Street	Low	Assessment	Undetermined	Ongoing	State
808	Oahu	Honolulu	Verizon Wireless, HON Point Panic Cell Site	Low	Response	Managed with Institutional Controls	Ongoing	State
809	Oahu	Honolulu	Vermiculite of Hawaii Mokumoa Street	Medium	Assessment	Undetermined	Ongoing	State
810	Oahu	Honolulu	Vermiculite of Hawaii Waimanu Street	Low	Assessment	Undetermined	Ongoing	PA/SI
811	Oahu	Honolulu	Waialae Elementary Public Charter School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
812	Oahu	Honolulu	Waikiki Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
813	Oahu	Honolulu	Wallys Garden Center	Low	Assessment	Undetermined	Ongoing	State
814	Oahu	Honolulu	Ward Management Development Block F Ulana Property	Low	Assessment	Undetermined	Ongoing	State

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815	Oahu	Honolulu	Weyerhaeuser	High	Response	Managed with Institutional Controls	Ongoing	State
816	Oahu	Honolulu	Wiliwili and King Streets Excavation	Low	Assessment	Undetermined	Ongoing	State
817	Oahu	Honolulu	Wilson Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
818	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Present	Ongoing	State
819	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Undetermined	Ongoing	State
820	Oahu	Honolulu	Young Brothers Piers 24-28	Medium	Response	Present	Ongoing	State
821	Oahu	Honolulu	Young Brothers Piers 39 and 40	Low	Assessment	Undetermined	Ongoing	State
822	Oahu	Honolulu	Zippy's Nimitz	Low	Response	Managed with Institutional Controls	Ongoing	State
823	Oahu	JBPHH	Air Force MFH Hickam AFB CGO-FGO Minor Renovations	High	Response	Present	Ongoing	State
824	Oahu	JBPHH	Air Force MFH Hickam AFB Challenger Loop Minor Renovations	High	Response	Managed with Institutional Controls	Ongoing	State
825	Oahu	JBPHH	Air Force MFH Hickam AFB Earhart I-1	High	Response	Managed with Institutional Controls	Ongoing	State
826	Oahu	JBPHH	Navy MFH Ford Island	Medium	Response	Present	Ongoing	State
827	Oahu	Kaaawa	Kaaawa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
828	Oahu	Kahuku	FAA Kahuku Point Former Range Facility	Low	Response	Present	Ongoing	State
829	Oahu	Kahuku	Kahuku Airfield Military Reservation Radio Range	Medium	Assessment	Undetermined	Ongoing	PA/SI
830	Oahu	Kahuku	Kahuku Arsenic Property	Medium	Assessment	Undetermined	Ongoing	State
831	Oahu	Kahuku	Kahuku Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
832	Oahu	Kahuku	Kahuku Medical Center UST	Low	Assessment	Undetermined	Ongoing	State
833	Oahu	Kahuku	Marconi Wireless Radio Transmitting Site	Low	Assessment	Undetermined	Ongoing	PA/SI

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
834	Oahu	Kailua	Aikahi Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
835	Oahu	Kailua	C&C Kapaa Street Light Storage Yard	Medium	Response	Managed with Institutional Controls	Ongoing	State
836	Oahu	Kailua	Countryside Apartments	High	Response	Present	Ongoing	Fast Track
837	Oahu	Kailua	Enchanted Lake Elementary School Building Exterior Soils	Low	Response	Present	Ongoing	State
838	Oahu	Kailua	Hardware Hawaii Kailua	NFA	Response	None	NFA	State
839	Oahu	Kailua	Honolulu Skeet Club	Medium	Response	Managed with Institutional Controls	Ongoing	State
840	Oahu	Kailua	Hookipa Cottage Exempt Underground Storage Tank	Low	Response	Present	Ongoing	State
841	Oahu	Kailua	Kaelepulu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
842	Oahu	Kailua	Kailua Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
843	Oahu	Kailua	Kailua Light Industrial Park	Low	Assessment	Undetermined	Ongoing	Brownfields
844	Oahu	Kailua	Kainalu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
845	Oahu	Kailua	Kaohao Public Charter School Building Exterior Soils	Low	Response	Present	Ongoing	State
846	Oahu	Kailua	Kapaa Landfill Kapaa Quarry Road	Low	Response	Present	Ongoing	State
847	Oahu	Kailua	Keolu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
848	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Undetermined	Ongoing	State
849	Oahu	Kailua	Maunawili Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
850	Oahu	Kailua	Mokapu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
851	Oahu	Kakaako	Kakaako Transpacific Broadband Conduit	Low	Assessment	Undetermined	Ongoing	Brownfields
852	Oahu	Kalihi-Kai	Jet Delivery Project	Low	Assessment	Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
853	Oahu	Kaneohe	Ahuimanu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
854	Oahu	Kaneohe	Alleged illegal dumping of JP-5 down the drain	Low	Assessment	Undetermined	Ongoing	State
855	Oahu	Kaneohe	BWS Waihee Line Booster Station	Low	Response	Present	Ongoing	State
856	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Managed with Institutional Controls	Ongoing	State
857	Oahu	Kaneohe	Heeia Agricultural Company Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
858	Oahu	Kaneohe	Heeia Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
859	Oahu	Kaneohe	Kahaluu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
860	Oahu	Kaneohe	Kamehameha Schools - Heeia Preschool Development	Low	Assessment	Undetermined	Ongoing	State
861	Oahu	Kaneohe	Kaneohe Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
862	Oahu	Kaneohe	Kapunahala Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
863	Oahu	Kaneohe	Koolau Chevron	Low	Response	Present	Ongoing	State
864	Oahu	Kaneohe	Parker Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
865	Oahu	Kaneohe	Puohala Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
866	Oahu	Kaneohe	Waiahole Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
867	Oahu	Kaneohe MCBH	Kaneohe Marine Corps Base, sheen	Low	Assessment	Undetermined	Ongoing	State
868	Oahu	Kaneohe MCBH	Kaneohe MCBH Building 212 UST 20	Low	Assessment	Undetermined	Ongoing	State
869	Oahu	Kaneohe MCBH	Kaneohe MCBH Tank 114	Low	Assessment	Undetermined	Ongoing	State
870	Oahu	Kaneohe MCBH	Marines MFH MCBH Hana Like	Medium	Assessment	Undetermined	Ongoing	State
871	Oahu	Kaneohe MCBH	Marines MFH MCBH Hawaii Loa	Medium	Response	Present	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
872	Oahu	Kaneohe MCBH	Marines MFH MCBH Heleloa	Medium	Response	Present	Ongoing	State
873	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaluapuni	Medium	Response	Present	Ongoing	State
874	Oahu	Kaneohe MCBH	Marines MFH MCBH Kapoho	Medium	Response	Present	Ongoing	State
875	Oahu	Kaneohe MCBH	Marines MFH MCBH Mololani	Medium	Response	Present	Ongoing	State
876	Oahu	Kaneohe MCBH	Marines MFH MCBH Nani Ulupau	Medium	Response	Present	Ongoing	State
877	Oahu	Kaneohe MCBH	Marines MFH MCBH Pa Honua	Medium	Response	Present	Ongoing	State
878	Oahu	Kaneohe MCBH	Marines MFH MCBH Ulupau	Medium	Response	Present	Ongoing	State
879	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Manning	Medium	Response	Present	Ongoing	State
880	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Mokapu Court	Medium	Assessment	Undetermined	Ongoing	State
881	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu NCO Row	Medium	Response	Present	Ongoing	State
882	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Rainbow	Medium	Response	Present	Ongoing	State
883	Oahu	Kapolei	Aloha Petroleum Barbers Point Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
884	Oahu	Kapolei	Amfac Wood Treatment Facility Kapolei	Low	Assessment	Undetermined	Ongoing	State
885	Oahu	Kapolei	Barbers Point Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
886	Oahu	Kapolei	Barbers Point Harbor	Medium	Assessment	Undetermined	Ongoing	State
887	Oahu	Kapolei	Building 128 and Building 484, Bougainville Ave	Low	Assessment	Undetermined	Ongoing	State
888	Oahu	Kapolei	Campbell Industrial Park Areawide Stream/Canal Sediment Study	Low	Assessment	Undetermined	Ongoing	PA/SI
889	Oahu	Kapolei	Chevron USA Hawaiian Refinery	Medium	Assessment	Undetermined	Ongoing	State
890	Oahu	Kapolei	Chevron USA Products Hawaii Refinery	Low	Response	Managed with Institutional Controls	Ongoing	State
891	Oahu	Kapolei	Chevron USA Products Hawaii Refinery	Medium	Response	Managed with Institutional Controls	Ongoing	State



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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
892	Oahu	Kapolei	Chevron USA Products Hawaii Refinery Marine Line Release	Low	Response	Present	Ongoing	State
893	Oahu	Kapolei	CoVan Warehouse	Low	Response	Present	Ongoing	State
894	Oahu	Kapolei	Covanta HPOWER RDF Ash Tower	Low	Assessment	Undetermined	Ongoing	State
895	Oahu	Kapolei	D.R. Horton Kukuna Project	Low	Assessment	Undetermined	Ongoing	State
896	Oahu	Kapolei	Ewa Feedlot	Medium	Response	Present	Ongoing	Brownfields
897	Oahu	Kapolei	Grace Pacific Kalaeloa Asphalt Plant Diesel Fuel Release 20140109-1026	Low	Assessment	Undetermined	Ongoing	State
898	Oahu	Kapolei	Grace Pacific Lower Makakilo Quarry	Low	Response	Managed with Institutional Controls	Ongoing	State
899	Oahu	Kapolei	HIARNG Kalaeloa Army Aviation Support Facility #1-JRF	Low	Assessment	Undetermined	Ongoing	State
900	Oahu	Kapolei	IES Kapolei Terminal	Low	Response	Managed with Institutional Controls	Ongoing	State
901	Oahu	Kapolei	Industrial Technology Kauhi Street	Low	Assessment	Undetermined	Ongoing	State
902	Oahu	Kapolei	Kalaeloa Airport	Low	Response	Managed with Institutional Controls	Ongoing	State
903	Oahu	Kapolei	Kalaeloa Airport Day Tank Warehouse	Low	Response	Managed with Institutional Controls	Ongoing	State
904	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Undetermined	Ongoing	State
905	Oahu	Kapolei	Kalaeloa Housing Development- Parcel I	Low	Response	Managed with Institutional Controls	Ongoing	State
906	Oahu	Kapolei	Kaomi Loop Airgas Facility Oil Spill	Low	Assessment	Undetermined	Ongoing	State
907	Oahu	Kapolei	Kapolei Business Park Perchloroethylene in Soil	Low	Assessment	Undetermined	Ongoing	State
908	Oahu	Kapolei	Kapolei Chevron Station	Low	Assessment	Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
909	Oahu	Kapolei	Makakilo Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
910	Oahu	Kapolei	Mauka Lani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
911	Oahu	Kapolei	Pacific Concrete & Rock Landfill	High	Response	Managed with Institutional Controls	Ongoing	State
912	Oahu	Kapolei	Par Hawaii Refinery	Low	Assessment	Undetermined	Ongoing	State
913	Oahu	Kapolei	Par Kalaeloa Harbor Pier 5 Pipeline Release	Low	Response	Present	Ongoing	State
914	Oahu	Kapolei	Par-IES Pipeline Manifold Kapolei	Low	Response	Managed with Institutional Controls	Ongoing	State
915	Oahu	Kapolei	Philip Services Hawaii Used Oil Storage Tank #5	Low	Response	Present	Ongoing	State
916	Oahu	Kapolei	Tesoro Oil Spill NRDA / Single Buoy Mooring Barbers Point Harbor Oil Spill 8/24/98	Low	Assessment	Undetermined	Ongoing	State
917	Oahu	Kapolei	Tileco Inc	Medium	Response	Present	Ongoing	State
918	Oahu	Kualoa	Kualoa Plantation Company Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
919	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Undetermined	Ongoing	State
920	Oahu	Kunia	Del Monte Corporation Oahu Plantation	Low	Response	Managed with Institutional Controls	Ongoing	NPL
921	Oahu	Kunia	Ewa Sugar Mill Kunia Staging Area	Medium	Response	Present	Ongoing	State
922	Oahu	Kunia	Kunia Wells I	Low	Assessment	Undetermined	Ongoing	State
923	Oahu	Kunia	Kunia Wells II	Low	Assessment	Undetermined	Ongoing	State
924	Oahu	Laie	Kahawainui Stream Sediment Management	Low	Assessment	Undetermined	Ongoing	State
925	Oahu	Laie	Laie Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
926	Oahu	Laie	Laie Plantation Mill	Low	Assessment	Partially Determined	Ongoing	PA/SI
927	Oahu	Makaha	Makaha Valley DHHL Residential Community	Low	Assessment	Undetermined	Ongoing	State
928	Oahu	Mililani	Kipapa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
929	Oahu	Mililani	Mililani Mauka Elementary School	Low	Assessment	Undetermined	Ongoing	State
930	Oahu	Mililani	Mililani Uka Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
931	Oahu	Mililani	Mililani Waena Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
932	Oahu	Mililani	Mililani Wells I	Low	Assessment	Undetermined	Ongoing	State
933	Oahu	Mililani	Mililani Wells II	Low	Response	Present	Ongoing	PA/SI
934	Oahu	Mililani	Unocal Service Station 7587	Low	Assessment	Undetermined	Ongoing	State
935	Oahu	Nuuanu	Nuuanu No.1 Reservoir	Low	Assessment	Undetermined	Ongoing	State
936	Oahu	Pearl City	406 Kamehameha Highway	Medium	Assessment	Undetermined	Ongoing	State
937	Oahu	Pearl City	Banana Patch	Medium	Assessment	Undetermined	Ongoing	State
938	Oahu	Pearl City	Chevron Pipeline Waiau Oil Spill 5/14/96 (NRDA)	Low	Response	Managed with Institutional Controls	Ongoing	PA/SI
939	Oahu	Pearl City	DOH Waimano Ridge Campus	Low	Response	Managed with Institutional Controls	Ongoing	Brownfields
940	Oahu	Pearl City	HECO Waiau Generating Station	Medium	Response	Present	Ongoing	State
941	Oahu	Pearl City	HECO Waiau Generating Station Unit 5 PCB Cleanup	Medium	Response	Present	Ongoing	State
942	Oahu	Pearl City	HIARNG Waiawa Gulch PFAS Investigation	Low	Assessment	Undetermined	Ongoing	State
943	Oahu	Pearl City	Lehua Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
944	Oahu	Pearl City	Manana Corporation Yard Honolulu C&C	NFA	Response	None	NFA	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
945	Oahu	Pearl City	Manana Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
946	Oahu	Pearl City	Marines MFH Manana	Medium	Response	Present	Ongoing	State
947	Oahu	Pearl City	Momilani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
948	Oahu	Pearl City	Navy MFH Manana	Medium	Response	Present	Ongoing	State
949	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Medium	Response	Present	Ongoing	State
950	Oahu	Pearl City	Noble's Auto Transmission	Low	Response	Present	Ongoing	State
951	Oahu	Pearl City	Palisades Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
952	Oahu	Pearl City	Pearl City Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
953	Oahu	Pearl City	Pearl City Towing	Low	Assessment	Undetermined	Ongoing	State
954	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Present	Ongoing	State
955	Oahu	Pearl City	Pig Signaller Vault Hugh Street and 2nd Street Pearl City, Hawaii 96782	Low	Assessment	Undetermined	Ongoing	State
956	Oahu	Pearl City	RHS Lee Baseyard	Low	Response	Managed with Institutional Controls	Ongoing	State
957	Oahu	Pearl City	RHS Lee Baseyard Northern Area	NFAIC	Response	Managed with Institutional Controls	NFAIC	State
958	Oahu	Pearl City	RHS Lee Baseyard Southern Area	NFAIC	Response	Managed with Institutional Controls	NFAIC	State
959	Oahu	Pearl City	Waiau Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
960	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Undetermined	Ongoing	State
961	Oahu	Pearl Harbor	Bravo Pier Release	Low	Assessment	Undetermined	Ongoing	State
962	Oahu	Pearl Harbor	Chlordane Discussions with the U.S. Navy	Low	Assessment	Undetermined	Ongoing	State
963	Oahu	Pearl Harbor	Hickam Pipeline Leak to Pearl Harbor	Low	Assessment	Undetermined	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
964	Oahu	Pearl Harbor	Mike 4, Pearl Harbor	Low	Assessment	Undetermined	Ongoing	State
965	Oahu	Pearl Harbor	Naval Submarine Base	Low	Assessment	Undetermined	Ongoing	State
966	Oahu	Pearl Harbor	NAVBASE Pearl Harbor	Low	Assessment	Undetermined	Ongoing	State
967	Oahu	Pearl Harbor	Pearl Harbor Bravo 21, oil sheen	Low	Assessment	Undetermined	Ongoing	State
968	Oahu	Pearl Harbor	Pearl Harbor Naval Complex	Medium	Response	Managed with Institutional Controls	Ongoing	NPL
969	Oahu	Pearl Harbor	Pearl Harbor Naval Shipyard - Intermediate Maintenance Facility (IMF)	Low	Assessment	Undetermined	Ongoing	State
970	Oahu	Pearl Harbor	Pearl Harbor Pier Bravo 1 On-going Subsurface Release	Low	Assessment	Undetermined	Ongoing	State
971	Oahu	Pearl Harbor	Pearl Harbor Pier Bravo 24 and 25	Low	Assessment	Undetermined	Ongoing	State
972	Oahu	Pearl Harbor	Pearl Harbor Sediment Study DU E-2	High	Response	Managed with Institutional Controls	Ongoing	State
973	Oahu	Pearl Harbor	PHFISC JP-5 Pipeline Leak Waipio Peninsula Near Inactive Ships Building 34	Low	Assessment	Undetermined	Ongoing	State
974	Oahu	Pearl Harbor	PHNSY Building 1456	Low	Assessment	Undetermined	Ongoing	State
975	Oahu	Schofield Barracks	Army MFH Schofield Barracks Akolea	Medium	Response	Present	Ongoing	State
976	Oahu	Schofield Barracks	Army MFH Schofield Barracks Aloala	Medium	Response	Present	Ongoing	State
977	Oahu	Schofield Barracks	Army MFH Schofield Barracks Canby	Medium	Response	Present	Ongoing	State
978	Oahu	Schofield Barracks	Army MFH Schofield Barracks Generals Loop	Medium	Response	Present	Ongoing	State
979	Oahu	Schofield Barracks	Army MFH Schofield Barracks Hamilton	Medium	Response	Present	Ongoing	State
980	Oahu	Schofield Barracks	Army MFH Schofield Barracks Kaena	Medium	Response	Present	Ongoing	State
981	Oahu	Schofield Barracks	Army MFH Schofield Barracks Leader Field	Medium	Response	Present	Ongoing	State
982	Oahu	Schofield Barracks	Army MFH Schofield Barracks Mendonca Park	Medium	Response	Present	Ongoing	State
983	Oahu	Schofield Barracks	Army MFH Schofield Barracks Moyer	Medium	Response	Present	Ongoing	State
984	Oahu	Schofield Barracks	Army MFH Schofield Barracks Patriot	Medium	Response	Present	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
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985	Oahu	Schofield Barracks	Army MFH Schofield Barracks Ralston	Medium	Response	Present	Ongoing	State
986	Oahu	Schofield Barracks	Army MFH Schofield Barracks Santa Fe	Medium	Response	Present	Ongoing	State
987	Oahu	Schofield Barracks	Army MFH Schofield Barracks Solomon	Medium	Response	Present	Ongoing	State
988	Oahu	Schofield Barracks	Hale Kula Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
989	Oahu	Schofield Barracks	Solomon Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
990	Oahu	Tripler AMC	Army MFH Tripler Army Medical Center Rainbow Village	Medium	Response	Present	Ongoing	State
991	Oahu	Wahiawa	Building 123, Sargent Street	Low	Assessment	Undetermined	Ongoing	State
992	Oahu	Wahiawa	Del Monte Corporation Oahu Plantation Poamoho Section	Low	Response	Managed with Institutional Controls	Ongoing	State
993	Oahu	Wahiawa	Del Monte Wahiawa Pesticide Mixing Area	Low	Response	Present	Ongoing	PA/SI
994	Oahu	Wahiawa	Dole Company Wahiawa Pesticide Mixing Area	Medium	Response	Present	Ongoing	PA/SI
995	Oahu	Wahiawa	Helemano Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
996	Oahu	Wahiawa	Helemano Military Reservation Temporary Equipment Maintenance Facility near Building 210	Low	Response	Present	Ongoing	State
997	Oahu	Wahiawa	Iliahi Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
998	Oahu	Wahiawa	Kaala Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
999	Oahu	Wahiawa	Leilehua High School Firing Range	Low	Assessment	Undetermined	Ongoing	PA/SI
1000	Oahu	Wahiawa	Naval Computer and Telecommunications Area Master Station Pacific (NCTAMS PAC)	High	Response	Managed with Institutional Controls	Ongoing	NPL
1001	Oahu	Wahiawa	Navy MFH Hele Mai	Medium	Response	Present	Ongoing	State
1002	Oahu	Wahiawa	NCTAMS Base East Pac (US Navy) Tank Removal	Low	Assessment	Undetermined	Ongoing	State

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1003	Oahu	Wahiawa	Schofield Barracks Building 652, 649, 650	Low	Assessment	Undetermined	Ongoing	State
1004	Oahu	Wahiawa	Schofield Barracks Whole Barracks Renewal	Low	Assessment	Undetermined	Ongoing	State
1005	Oahu	Wahiawa	Solomon Elementary School	Low	Response	Present	Ongoing	State
1006	Oahu	Wahiawa	Used Oil AST	Low	Assessment	Undetermined	Ongoing	State
1007	Oahu	Wahiawa	Wahiawa ADC Project	Low	Assessment	Undetermined	Ongoing	State
1008	Oahu	Wahiawa	Wahiawa Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1009	Oahu	Wahiawa	Wheeler Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1010	Oahu	Waialua	Dillingham Airfield and Gliderport	Low	Response	Managed with Institutional Controls	Ongoing	State
1011	Oahu	Waialua	Kahaulelio/Saguibo Waialua Properties	Low	Assessment	Undetermined	Ongoing	State
1012	Oahu	Waialua	Waialua Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1013	Oahu	Waialua	Waialua Sugar Company	Low	Assessment	Undetermined	Ongoing	PA/SI
1014	Oahu	Waialua	Waialua Sugar Company Seed Vat	Low	Response	Managed with Institutional Controls	Ongoing	PA/SI
1015	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Assessment	Undetermined	Ongoing	VRP
1016	Oahu	Waianae	Grace Pacific Farrington Highway Waianae	Low	Assessment	Undetermined	Ongoing	State
1017	Oahu	Waianae	Hakimo Road Open Dump	Low	Assessment	Undetermined	Ongoing	State
1018	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Undetermined	Ongoing	State
1019	Oahu	Waianae	Kamaile Academy Public Charter School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1020	Oahu	Waianae	Kamaile Plantation Wells	Low	Response	Present	Ongoing	State
1021	Oahu	Waianae	Larry's Chevron Service	Low	Response	Managed with Institutional Controls	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
1022	Oahu	Waianae	Leihoku Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1023	Oahu	Waianae	Mali Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1024	Oahu	Waianae	Makaha Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1025	Oahu	Waianae	Nanaikapono Elementary School	Low	Assessment	Undetermined	Ongoing	State
1026	Oahu	Waianae	Nanakuli Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1027	Oahu	Waianae	Waianae Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1028	Oahu	Waianae	Waianae High School Outdoor Air Rifle Range	Low	Response	Present	Ongoing	State
1029	Oahu	Waianae	Waianae Sugar Company Pesticide Mixing Area	Low	Assessment	Undetermined	Ongoing	PA/SI
1030	Oahu	Waikale	NAVMAG Waikale USTs 50/51	Low	Response	Managed with Institutional Controls	Ongoing	State
1031	Oahu	Wailuku	Maui Lani	Low	Assessment	Undetermined	Ongoing	State
1032	Oahu	Waimanalo	Air Force MFH Bellows AFS	High	Response	Present	Ongoing	State
1033	Oahu	Waimanalo	Pope Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1034	Oahu	Waimanalo	UH Manoa Waimanalo Experimental Farm	Low	Assessment	Undetermined	Ongoing	State
1035	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Undetermined	Ongoing	State
1036	Oahu	Waimanalo	Waimanalo Elementary and Intermediate School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1037	Oahu	Waimanalo	Waimanalo Sugar Company Former Mill Yard	Low	Assessment	Partially Determined	Ongoing	PA/SI
1038	Oahu	Waimanalo	Waimanalo Sugar Company Pesticide Mixing Area	Low	Assessment	Undetermined	Ongoing	PA/SI



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1039	Oahu	Waipahu	94-170 Leokane Street (Hans Metal-check and delete)	Low	Response	Managed with Institutional Controls	Ongoing	State
1040	Oahu	Waipahu	94-250 Mokuola St	Low	Assessment	Undetermined	Ongoing	State
1041	Oahu	Waipahu	August Ahrens Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1042	Oahu	Waipahu	Hans Metals	Low	Response	Managed with Institutional Controls	Ongoing	State
1043	Oahu	Waipahu	HART Farrington Highway Segment	Low	Assessment	Undetermined	Ongoing	State
1044	Oahu	Waipahu	Honowai Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1045	Oahu	Waipahu	Kaleiopuu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1046	Oahu	Waipahu	Kanoelani Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1047	Oahu	Waipahu	Oahu Sugar Company Seed Vat	Low	Assessment	Undetermined	Ongoing	PA/SI
1048	Oahu	Waipahu	Royal Kunia Elementary School (proposed)	Low	Assessment	Undetermined	Ongoing	State
1049	Oahu	Waipahu	Waipahu Dry Cleaners	Medium	Response	Managed with Institutional Controls	Ongoing	State
1050	Oahu	Waipahu	Waipahu Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
1051	Oahu	Waipahu	Waipahu Fire Station	Low	Assessment	Undetermined	Ongoing	State
1052	Oahu	Waipahu	Waipahu Garden Center	Low	Assessment	Undetermined	Ongoing	Brownfields
1053	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Undetermined	Ongoing	State
1054	Oahu	Wheeler AAF	Army MFH Wheeler AAF Kunia	Medium	Response	Present	Ongoing	State
1055	Oahu	Wheeler AAF	Army MFH Wheeler AAF Puali North	Medium	Response	Present	Ongoing	State
1056	Oahu	Wheeler AAF	Army MFH Wheeler AAF Puali South	Medium	Response	Present	Ongoing	State
1057	Oahu	Wheeler AAF	Army MFH Wheeler AAF Wiliwili	Medium	Response	Present	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2022								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
1058	Tern	Tern Island	Tern Island	Low	Response	Managed with Institutional Controls	Ongoing	State

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HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	Island	Installation	Site Name	Priority	Action	Potential Hazards	Site Status	Cleanup Program
1	Hawaii	Hilo	FUDS Ammunition Storage Point No. 2	Low	Assessment	Undetermined	Ongoing	DOD-IRP
2	Hawaii	Hilo	FUDS Army Impact Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
3	Hawaii	Hilo	FUDS Kaumana Camp (Hilo)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
4	Hawaii	Hilo	FUDS Keaau Bombing Target	Low	Assessment	Undetermined	Ongoing	DOD-IRP
5	Hawaii	Hilo	FUDS Wahine Maka Nui Target	Low	Assessment	Undetermined	Ongoing	DOD-IRP
6	Hawaii	Hilo	FUDS Waiakea Forest Reserve	Low	Assessment	Undetermined	Ongoing	DOD-IRP
7	Hawaii	Hilo	FUDS Waianuenue Camp (Hilo)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
8	Hawaii	Hilo	General Lyman Airfield	Low	Assessment	Undetermined	Ongoing	DOD-IRP
9	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Undetermined	Ongoing	DOD-IRP
10	Hawaii	Hilo	Pohakuloa Training Area, Kulani Boys' Home Burn Pile (PTA-002-R-02)	Low	Response	Present	Ongoing	DOD-MMRP
11	Hawaii	Kamuela	FUDS Quartermaster Bakery (Kamuela)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
12	Hawaii	Kau	FUDS Kau Bombing Range	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
13	Hawaii	Kau	FUDS Pakini Bombing Range	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
14	Hawaii	Kau	Kilauea Military Reservation MMRP Kau Desert Impact Training Area	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
15	Hawaii	Mauna Kea	FUDS Cross Island Road (Mauna Kea)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
16	Hawaii	North Kohala	FUDS Nansay Hawaii (Ouli and Puako)	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
17	Hawaii	Olaa	FUDS Camp Furneaux (Olaa)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
18	Hawaii	Upolu Point	FUDS Upolu Point Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
19	Hawaii	Volcano	FUDS Kilauea Military Camp (Hawaii Volcanoes National Park)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
20	Hawaii	Volcano	Kilauea Military Camp, Old Transformer Storage Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
21	Hawaii	Volcano	Kilauea Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
22	Hawaii	Waiakea	FUDS General Lyman Field	Low	Assessment	Undetermined	Ongoing	DOD-IRP
23	Hawaii	Waiakea	FUDS Kinoole Camp (Waiakea)	Low	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
24	Hawaii	Waiakea	FUDS Waiakea Storage Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
25	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area E	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
26	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area I	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
27	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area J	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
28	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area L	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
29	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area N	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
30	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Area R	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
31	Hawaii	Waikaloa	FUDS Waikoloa Maneuver Area, Sector 17 A, B, C, E, F	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
32	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
33	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area A	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
34	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area B	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
35	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area BOQJ		Response	Present	Ongoing	DOD-MMRP
36	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area C	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
37	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area D	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
38	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area F	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
39	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area G	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
40	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area H	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
41	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area K	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
42	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area M	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
43	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area O	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
44	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area P, Jack Hall Kona Memorial Parcel		Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
45	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area P, Kamakoa Workforce Housing Parcels		Response	Present	Ongoing	DOD-MMRP
46	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area P, Library Parcel	NFAIC	Response	Managed with Institutional Controls	NFAIC	DOD-MMRP
47	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area P, Plumeria Parcel		Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
48	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area Q	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
49	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area S	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
50	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Area T	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
51	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Sector 15	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
52	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Sector 16 A, B, C, D, E	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
53	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Sector 16 B'		Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
54	Hawaii	Waikoloa	FUDS Waikoloa Maneuver Area, Sector 17 D	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
55	Hawaii	Waimea	FUDS Mahukona Range MMRP	Low	Assessment	Undetermined	Ongoing	DOD-IRP
56	Hawaii	Waimea	FUDS Waikoloa Maneuver Area, Area Q, Lalamilo Phase 2		Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
57	Hawaii	Waimea	Pohakuloa Training Area Puu Paa	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
58	Johnston Atoll		Johnston Atoll	Low	Assessment	Undetermined	Ongoing	DOD-IRP
59	Kahoolawe	Kahoolawe	Kahoolawe Island (HI6170090074)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
60	Kauai	Anahola-Molooa	FUDS Anahola-Molooa Artillery Impact Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
61	Kauai	Barking Sands	PMRF Crash Crew Firefighting Pit 1	Low	Assessment	Undetermined	Ongoing	DOD-IRP
62	Kauai	Barking Sands	PMRF Landfill Site	Medium	Response	Present	Ongoing	DOD-IRP
63	Kauai	Barking Sands	PMRF Sandblast Grit Area Site 6	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
64	Kauai	Barking Sands	PMRF, Battery Acid Disposal Pit	Low	Assessment	Undetermined	Ongoing	DOD-IRP
65	Kauai	Barking Sands	PMRF, Firefighting Pit No. 2	Low	Assessment	Undetermined	Ongoing	DOD-IRP
66	Kauai	Eleele	FUDS Eleele Quartermaster Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
67	Kauai	Kalaheo	FUDS 1st Station Hospital (Kalaheo)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
68	Kauai	Kalaheo	FUDS Division Headquarters (Kalaheo)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
69	Kauai	Kapaa	FUDS Kapaa Division Training Camp	Low	Assessment	Undetermined	Ongoing	DOD-IRP
70	Kauai	Kaumakani	FUDS Division Camp Site & Training		Assessment	Undetermined	Ongoing	DOD-MMRP
71	Kauai	Kekaha	FUDS Kekaha Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
72	Kauai	Kekaha	FUDS Kekaha School Lot	Low	Assessment	Undetermined	Ongoing	DOD-IRP
73	Kauai	Kekaha	Pacific Missile Range Facility (HI6170024719)	Medium	Response	Present	Ongoing	DOD-IRP
74	Kauai	Koloa	FUDS Koloa Bakery	Low	Assessment	Undetermined	Ongoing	DOD-IRP
75	Kauai	Koloa	FUDS Koloa Ice Plant	Low	Assessment	Undetermined	Ongoing	DOD-IRP
76	Kauai	Lihue	FUDS Ahukini	Low	Assessment	Undetermined	Ongoing	DOD-IRP
77	Kauai	Lihue	FUDS Grove Farm Artillery Range	Low	Response	Present	Ongoing	DOD-MMRP
78	Kauai	Lihue	FUDS Wailua Rifle Range	Low	Assessment	Undetermined	Ongoing	DOD-IRP
79	Kauai	Mana	FUDS Bonham Air Force Base	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
80	Kauai	Port Allen	FUDS Kauai Amphibious Training Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
81	Kauai	Puulani	FUDS Puulani Radar Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
82	Kauai	Wailua	FUDS Wailua Aeroplane Landing Field	Low	Assessment	Undetermined	Ongoing	DOD-IRP
83	Kauai	Wailua	FUDS Wailua Artillery Impact Area MMRP	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
84	Kauai	Waimea	FUDS Waimea Crash Boat Base	Low	Assessment	Undetermined	Ongoing	DOD-IRP
85	Kauai	Waimea	FUDS Waimea School	Low	Assessment	Undetermined	Ongoing	DOD-IRP
86	Kauai	Waimea	FUDS Waimea Training Site	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
87	Lanai		FUDS Lanai Bombing Targets	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
88	Lanai		FUDS Lanai Bombing Targets Hulopoe Bay	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
89	Lanai		FUDS Lanai Bombing Targets Kaena Point	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
90	Lanai		FUDS Lanai Bombing Targets Keanapapa Point	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
91	Lanai		FUDS Lanai Bombing Targets Manele Bay	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
92	Lanai	Lanai	FUDS Lanai Radar Station	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
93	Maui		FUDS Maui Bombing Targets Kanounou Point	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
94	Maui		FUDS Puunene Airport H09HI030500 Project SECOR		Assessment	Undetermined	Ongoing	DOD-IRP
95	Maui		FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Present	Ongoing	DOD-MMRP
96	Maui		HIARNG Olowalu Rifle Range	Low	Response	Present	Ongoing	DOD-MMRP
97	Maui		Maui Satellite Tracking Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
98	Maui	Haiku	FUDS Haiku Marine Camp	Low	Assessment	Undetermined	Ongoing	DOD-IRP
99	Maui	Haiku	FUDS Marine Oil Storage (Haiku)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
100	Maui	Haiku	FUDS Opana Point Bombing Range	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
101	Maui	Haleakala	FUDS Haleakala Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
102	Maui	Hamakualoa	FUDS Kailua Radar System (Hamakualoa)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
103	Maui	Hamakualoa	FUDS Marine Training Activities (Hamakualoa)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
104	Maui	Kahului	FUDS Naval Air Station (Kahului Airport)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
105	Maui	Kahului	FUDS Navy Military Reservation (Kahului)	Low	Assessment	Undetermined	Ongoing	DOD-IRP



HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	Island	Installation	Site Name	Priority	Action	Potential Hazards	Site Status	Cleanup Program
106	Maui	Kanahena Point	FUDS Maui Bombing Targets Kanahena Point	Medium	Response	Present	Ongoing	DOD-MMRP
107	Maui	Kane Puu Naval Bombing Range	FUDS Kane Puu Naval Bombing Range MMRP	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
108	Maui	Keanae	FUDS Marine Maneuver Area (Keanae)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
109	Maui	Makawao	FUDS Makawao Gunnery Range	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
110	Maui	Makawao	FUDS Makawao Station Hospital	Low	Assessment	Undetermined	Ongoing	DOD-IRP
111	Maui	Opana	FUDS Peahi Marine Firing Range	Low	Assessment	Undetermined	Ongoing	DOD-IRP
112	Maui	Paia	FUDS The Tradewinds (Paia)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
113	Maui	Pauwela	FUDS Marine Combat Course (Pauwela)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
114	Maui	Pauwela	FUDS Navy Military Activities (Pauwela)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
115	Maui	Puunene	FUDS Maui Airport H09HI022503 Puunene Landfill	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
116	Maui	Ulupalakua	HIARNG Kanaio Local Training Area	Low	Response	Present	Ongoing	DOD-MMRP
117	Maui	Waipio	FUDS Waipio Bombing Targets	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
118	Molokai		FUDS Kalaupapa Airfield		Assessment	Undetermined	Ongoing	DOD-IRP
119	Molokai		FUDS Mokuhooniki Island	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
120	Molokai		FUDS Molokai Bombing Targets Punakua	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
121	Molokai		FUDS Moomomi Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
122	Molokai	Ilio Point	FUDS Ilio Point	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
123	Molokai	Ilio Point	FUDS Ilio Point Annex	Low	Assessment	Undetermined	Ongoing	DOD-IRP
124	Molokai	Kalaupapa	FUDS Makanalua Bombing Range	Low	Response	Present	Ongoing	DOD-MMRP
125	Molokai	Kalaupapa	Kalaupapa Settlement Clean Up	Low	Assessment	Undetermined	Ongoing	NEPA
126	Molokai	Kaluakoi	FUDS Papohaku Ranchland and Punakua Target Area	High	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
127	Oahu		FUDS Base Yard Nos. 16 & 17 (Honolulu Zoo and Waikiki Shell)		Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
128	Oahu		FUDS Battery Punchbowl	Low	Assessment	Undetermined	Ongoing	DOD-IRP
129	Oahu		FUDS Center Combat Range	Low	Assessment	Undetermined	Ongoing	DOD-IRP
130	Oahu		FUDS Dr. Simon's Projects (Various Locations)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
131	Oahu		FUDS Fort Barrette		Assessment	Undetermined	Ongoing	DOD-IRP
132	Oahu		FUDS Fort Hase-Kapaa Marine Training Area		Assessment	Undetermined	Ongoing	DOD-IRP
133	Oahu		FUDS Heeia Fire Control Station		Assessment	Undetermined	Ongoing	DOD-IRP
134	Oahu		FUDS Makalapa Crater Navy Salvage Yard	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
135	Oahu		FUDS Oahu Target Island	Medium	Response	Present	Ongoing	DOD-MMRP
136	Oahu		FUDS Pacific Jungle Combat Training Center	High	Response	Present	Ongoing	DOD-MMRP
137	Oahu		FUDS Palailai Military Reservation		Assessment	Undetermined	Ongoing	DOD-MMRP
138	Oahu		FUDS Range D-400-L	Low	Assessment	Undetermined	Ongoing	DOD-IRP
139	Oahu		FUDS Sugar Mill Power Plants	Low	Assessment	Undetermined	Ongoing	DOD-IRP
140	Oahu		FUDS Waiawa Training Area	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
141	Oahu		Hickam AFB, Foster Point Seawall	Low	Assessment	Undetermined	Ongoing	DOD-IRP
142	Oahu		Kaneohe Marine Corps Base Hawaii	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
143	Oahu		Kaneohe MCBH Building 329 UST KB-329S & KB-329V	Low	Assessment	Undetermined	Ongoing	DOD-IRP
144	Oahu		Kaneohe MCBH Tank Farm UST KB-25	Low	Response	Present	Ongoing	DOD-IRP
145	Oahu		Lanikai Off-shore Unexploded Ordnance		Assessment	Undetermined	Ongoing	DOD-MMRP
146	Oahu		Marine Corps Training Area Bellows		Assessment	Undetermined	Ongoing	DOD-IRP
147	Oahu		MCBH Camp H.M. Smith		Assessment	Undetermined	Ongoing	DOD-IRP
148	Oahu		MCBH Camp H.M. Smith Bazooka Practice Area		Response	Present	Ongoing	DOD-MMRP
149	Oahu		NAVMAG LLL Northern Munitions Response Sites	Medium	Response	Present	Ongoing	DOD-MMRP
150	Oahu		NAVMAG LLL Scrap Metal Pile MRS	Low	Response	Present	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
151	Oahu		NAVMAG Waikale Building 66 Former Battery Charging Shop	Low	Assessment	Undetermined	Ongoing	DOD-IRP
152	Oahu		NAVMAG West Loch Building 49 Transformer	Medium	Response	Present	Ongoing	DOD-IRP
153	Oahu		NCTAMS PAC NRTF LLL, Old NRTF Landfill	Medium	Response	Present	Ongoing	DOD-IRP
154	Oahu		NCTAMS PAC, Seven Transformer Sites		Response	Present	Ongoing	DOD-IRP
155	Oahu		PHNSY, UST S932	Low	Assessment	Undetermined	Ongoing	DOD-IRP
156	Oahu		Puuloa Range Training Facility		Assessment	Undetermined	Ongoing	DOD-IRP
157	Oahu	Aiea	Ford Island	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
158	Oahu	Aiea	FUDS Aiea AAA Command Post	Low	Assessment	Undetermined	Ongoing	DOD-IRP
159	Oahu	Aiea	Intersection of Kamehameha Hwy and Ford Island Bridge	Low	Assessment	Undetermined	Ongoing	DOD-IRP
160	Oahu	Aiea	PHNC, Aiea Laundry Building 436	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
161	Oahu	Barbers Point	Barbers Point NAS Unexploded Ordnance 2	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
162	Oahu	Barbers Point NAS	Barbers Point NAS	Medium	Assessment	Undetermined	Ongoing	DOD-BRAC
163	Oahu	Barbers Point NAS	Barbers Point NAS Building 273	Low	Response	Present	Ongoing	DOD-IRP
164	Oahu	Barbers Point NAS	Barbers Point NAS Coral Pit 2	Low	Assessment	Undetermined	Ongoing	DOD-IRP
165	Oahu	Barbers Point NAS	Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Undetermined	Ongoing	DOD-IRP
166	Oahu	Barbers Point NAS	Barbers Point NAS Dry Well Network	Low	Assessment	Undetermined	Ongoing	DOD-BRAC
167	Oahu	Barbers Point NAS	Barbers Point NAS Electrical Manholes	Low	Assessment	Undetermined	Ongoing	DOD-IRP
168	Oahu	Barbers Point NAS	Barbers Point NAS Navy Public Works Center	Low	Response	Managed with Institutional Controls	Ongoing	DOD-BRAC
169	Oahu	Barbers Point NAS	Barbers Point NAS Public Works Transportation Compound	Low	Assessment	Undetermined	Ongoing	DOD-IRP
170	Oahu	Barbers Point NAS	Barbers Point NAS Regional Groundwater System	Low	Response	Managed with Institutional Controls	Ongoing	DOD-BRAC

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
171	Oahu	Barbers Point NAS	Barbers Point NAS Sanitary Landfill	Medium	Response	Present	Ongoing	DOD-IRP
172	Oahu	Bellows AFS	Bellows AFS Civil Engineering Workshop	Low	Assessment	Undetermined	Ongoing	NEPA
173	Oahu	Bellows AFS	Bellows AFS DA101 WWII Dump (formerly AOC18)	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
174	Oahu	Bellows AFS	Bellows AFS Installation Improvements and Maintenance	Low	Assessment	Undetermined	Ongoing	NEPA
175	Oahu	Bellows AFS	Bellows AFS MRA39, Former Large Bomb Range		Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
176	Oahu	Bellows AFS	Bellows AFS MRA40 Former Skeet Range	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
177	Oahu	Bellows AFS	Bellows AFS MRA43 Urban Warfare Training Facility	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
178	Oahu	Bellows Air Force Station	Bellows AFS Marine Corps Training Area Parcel 5C	Low	Assessment	Undetermined	Ongoing	DOD-IRP
179	Oahu	Ewa Beach	FUDS Ewa Beach Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
180	Oahu	Ewa Beach	FUDS Puuloa EX NAS Barbers Point	Low	Assessment	Undetermined	Ongoing	DOD-IRP
181	Oahu	Ewa Beach	FUDS Waiawa Interchange	Low	Assessment	Undetermined	Ongoing	DOD-IRP
182	Oahu	Ewa Beach	NAVMAG West Loch UXO 7 Burning Pit MRS	Medium	Response	Present	Ongoing	DOD-MMRP
183	Oahu	Ewa Beach	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Response	Present	Ongoing	DOD-MMRP
184	Oahu	Ewa Beach	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
185	Oahu	Ewa Beach	PHPWC Iroquois Point Housing	Low	Assessment	Undetermined	Ongoing	DOD-IRP
186	Oahu	Ford Island	PHNC, Ford Island Building 289, Former UST NS-38	Low	Response	Present	Ongoing	DOD-IRP
187	Oahu	Ford Island	PHNC, Ford Island Hazardous Substance Site	High	Response	Present	Ongoing	DOD-IRP
188	Oahu	Ford Island	PHNC, Ford Island, Building 79	Low	Assessment	Undetermined	Ongoing	DOD-IRP
189	Oahu	Ford Island	USS Oklahoma	Low	Assessment	Undetermined	Ongoing	DOD-IRP
190	Oahu	Fort Barrette	Fort Barrette, Safety Hazard Removal	Low	Assessment	Undetermined	Ongoing	DOD-IRP
191	Oahu	Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Building 107 & Building 108)	Low	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
192	Oahu	Fort Shafter	Fort Shafter Building 145 UST		Response	Managed with Institutional Controls	Ongoing	DOD-IRP
193	Oahu	Fort Shafter	Fort Shafter Rifle Range 2 MRS (FTSHF-003-R-01)	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
194	Oahu	Haleiwa	FUDS Ashley Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
195	Oahu	Haleiwa	FUDS Waimea Falls Park	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
196	Oahu	Hauula	FUDS Kokololio Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
197	Oahu	Hauula	FUDS Pacific Jungle Combat-02-Punaluu Valley		Assessment	Undetermined	Ongoing	DOD-MMRP
198	Oahu	Heeia	FUDS Heeia Combat Training Camp	High	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
199	Oahu	Hickam AFB	Hickam AFB Building 2156 AST Sump	Low	Assessment	Undetermined	Ongoing	DOD-IRP
200	Oahu	Hickam AFB	Hickam AFB MRA1X, Former Skeet Ranges	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
201	Oahu	Hickam AFB	Hickam AFB MRA1X, TS001 Hickam Skeet Range	Low	Response	Present	Ongoing	DOD-MMRP
202	Oahu	Hickam AFB	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
203	Oahu	Hickam AFB	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
204	Oahu	Hickam AFB	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
205	Oahu	Hickam AFB	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
206	Oahu	Hickam AFB	Hickam AFB Soil Contamination Fort Kamehameha Road	Low	Assessment	Undetermined	Ongoing	DOD-IRP
207	Oahu	Hickam AFB	Hickam AFB ST01, 922A	Low	Response	Present	Ongoing	DOD-IRP
208	Oahu	Hickam AFB	Hickam AFB ST20, 3190B	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
209	Oahu	Hickam AFB	Hickam AFB ST20, F-503	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
210	Oahu	Hickam AFB	Hickam AFB ST20, F-525	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
211	Oahu	Hickam AFB	Hickam AFB ST20, F-526	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
212	Oahu	Hickam AFB	Hickam AFB ST20, F-528	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
213	Oahu	Hickam AFB	Hickam AFB ST20, F-530	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
214	Oahu	Hickam AFB	Hickam AFB ST20, F-531	Low	Response	Present	Ongoing	DOD-IRP
215	Oahu	Hickam AFB	Hickam AFB ST20, F-540	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
216	Oahu	Hickam AFB	Hickam AFB ST20, F-542	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
217	Oahu	Hickam AFB	Hickam AFB ST20, F-542B	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
218	Oahu	Hickam AFB	Hickam AFB ST20, F-543A	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
219	Oahu	Hickam AFB	Hickam AFB ST20, F-543B	Low	Assessment	Undetermined	Ongoing	DOD-IRP
220	Oahu	Hickam AFB	Hickam AFB ST20, F-544A	Low	Assessment	Undetermined	Ongoing	DOD-IRP
221	Oahu	Hickam AFB	Hickam AFB ST20, F-544B	Low	Assessment	Undetermined	Ongoing	DOD-IRP
222	Oahu	Hickam AFB	Hickam AFB ST20, F-548	Low	Assessment	Undetermined	Ongoing	DOD-IRP
223	Oahu	Hickam AFB	Hickam AFB ST20, F-549A	Low	Assessment	Undetermined	Ongoing	DOD-IRP
224	Oahu	Hickam AFB	Hickam AFB ST20, F-549B	Low	Assessment	Undetermined	Ongoing	DOD-IRP
225	Oahu	Hickam AFB	Hickam AFB ST20, F-552FK	Low	Assessment	Undetermined	Ongoing	DOD-IRP
226	Oahu	Hickam AFB	Hickam AFB ST20, F-554FK	Low	Assessment	Undetermined	Ongoing	DOD-IRP
227	Oahu	Hickam AFB	Hickam AFB ST20, F-558	Low	Assessment	Undetermined	Ongoing	DOD-IRP
228	Oahu	Hickam AFB	Hickam AFB ST20, F-563A	Low	Assessment	Undetermined	Ongoing	DOD-IRP
229	Oahu	Hickam AFB	Hickam AFB ST20, F-703	Low	Assessment	Undetermined	Ongoing	DOD-IRP
230	Oahu	Hickam AFB	Hickam AFB ST20, F-704	Low	Assessment	Undetermined	Ongoing	DOD-IRP
231	Oahu	Hickam AFB	Hickam AFB ST20, F-705	Low	Assessment	Undetermined	Ongoing	DOD-IRP
232	Oahu	Hickam AFB	Hickam AFB ST20, F-707	Low	Assessment	Undetermined	Ongoing	DOD-IRP
233	Oahu	Hickam AFB	Hickam AFB ST20, F-709	Low	Assessment	Undetermined	Ongoing	DOD-IRP
234	Oahu	Hickam AFB	Hickam AFB ST20, F-711	Low	Assessment	Undetermined	Ongoing	DOD-IRP

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	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
235	Oahu	Hickam AFB	Hickam AFB ST20, F-712	Low	Assessment	Undetermined	Ongoing	DOD-IRP
236	Oahu	Hickam AFB	Hickam AFB ST20, F-713	Low	Assessment	Undetermined	Ongoing	DOD-IRP
237	Oahu	Hickam AFB	Hickam AFB ST20, F-714	Low	Assessment	Undetermined	Ongoing	DOD-IRP
238	Oahu	Hickam AFB	Hickam AFB ST20, F-715	Low	Assessment	Undetermined	Ongoing	DOD-IRP
239	Oahu	Hickam AFB	Hickam AFB ST20, F-721	Low	Assessment	Undetermined	Ongoing	DOD-IRP
240	Oahu	Hickam AFB	Hickam AFB ST20, F-752	Low	Assessment	Undetermined	Ongoing	DOD-IRP
241	Oahu	Hickam AFB	Hickam AFB ST30, F-126A	Low	Assessment	Undetermined	Ongoing	DOD-IRP
242	Oahu	Hickam AFB	Hickam AFB ST32, F554-1166		Assessment	Undetermined	Ongoing	DOD-IRP
243	Oahu	Hickam AFB	Hickam AFB ST32, Vickers Avenue USTs (Onizuka Village SVE)	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
244	Oahu	Hickam AFB	Hickam AFB ST34, Clean Water Rinse Facility	Low	Assessment	Undetermined	Ongoing	DOD-IRP
245	Oahu	Hickam AFB	Hickam AFB ST34, F-180	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
246	Oahu	Hickam AFB	Hickam AFB ST34, Subsite 2184	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
247	Oahu	Hickam AFB	Hickam AFB ST35, F-17-2105	Low	Assessment	Undetermined	Ongoing	DOD-IRP
248	Oahu	Hickam AFB	Hickam AFB ST35, F-1808	Low	Assessment	Undetermined	Ongoing	DOD-IRP
249	Oahu	Hickam AFB	Hickam AFB ST35, F-20-2105	Low	Response	Present	Ongoing	DOD-IRP
250	Oahu	Hickam AFB	Hickam AFB ST35, F-21B	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
251	Oahu	Hickam Air Force Base	FUDS 41st Coast Artillery Camp	Low	Assessment	Undetermined	Ongoing	DOD-IRP
252	Oahu	Hickam Air Force Base	FUDS Battery Selfridge (Fort Kamehameha)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
253	Oahu	Hickam Air Force Base	Hickam AFB Multiple AOCs	Low	Assessment	Undetermined	Ongoing	DOD-IRP
254	Oahu	Hickam Air Force Base	Hickam AFB ST01, Subsite F-Navy Barracks	Low	Assessment	Undetermined	Ongoing	DOD-IRP
255	Oahu	Hickam Air Force Base	Hickam AFB ST20, Subsite F-701	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
256	Oahu	Hickam Air Force Base	Hickam AFB ST20, Subsite F-722	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
257	Oahu	Hickam Air Force Base	Hickam AFB ST20, Subsite F-724	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
258	Oahu	Hickam Air Force Base	Hickam AFB ST31, Subsite F-175	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
259	Oahu	Hickam Air Force Base	Hickam AFB, Subsurface Fuel Plume	Low	Assessment	Undetermined	Ongoing	DOD-IRP
260	Oahu	Honolulu	Aliamanu Military Reservation ALMR-01 Ammunition Storage Bunkers	Low	Response	Present	Ongoing	DOD-IRP
261	Oahu	Honolulu	Aliamanu Military Reservation, Freon with Oil Release	Low	Assessment	Undetermined	Ongoing	DOD-IRP
262	Oahu	Honolulu	Fort DeRussy Transformers by Building T-111 and 2058 Maluhia Road	Low	Assessment	Undetermined	Ongoing	DOD-IRP
263	Oahu	Honolulu	Fort Kamehameha	Low	Assessment	Undetermined	Ongoing	DOD-IRP
264	Oahu	Honolulu	Fort Kamehameha DSPL Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
265	Oahu	Honolulu	FUDS 218th General Hospital (Farrington High School)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
266	Oahu	Honolulu	FUDS 218th General Hospital (Kamehameha Schools)		Assessment	Undetermined	Ongoing	DOD-IRP
267	Oahu	Honolulu	FUDS Alewa Height Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
268	Oahu	Honolulu	FUDS Battery Willy (Waialae Iki Ridge)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
269	Oahu	Honolulu	FUDS Damon Fish Ponds	Low	Assessment	Undetermined	Ongoing	DOD-IRP
270	Oahu	Honolulu	FUDS Damon Tract Shop Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
271	Oahu	Honolulu	FUDS Dillingham Base Yard	Low	Assessment	Undetermined	Ongoing	DOD-IRP
272	Oahu	Honolulu	FUDS Dillingham Storage Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
273	Oahu	Honolulu	FUDS Fort Armstrong Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
274	Oahu	Honolulu	FUDS Fort Kamehameha	Low	Assessment	Undetermined	Ongoing	DOD-IRP
275	Oahu	Honolulu	FUDS Honolulu Harbor Piers 24, 25, and 26		Assessment	Undetermined	Ongoing	DOD-IRP
276	Oahu	Honolulu	FUDS Kewalo Basin Gun Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
277	Oahu	Honolulu	FUDS Koko Head Medical Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
278	Oahu	Honolulu	FUDS Marconi Impact Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP



HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
279	Oahu	Honolulu	FUDS Overseas Assembly Yard	Low	Assessment	Undetermined	Ongoing	DOD-IRP
280	Oahu	Honolulu	FUDS Puuloa Road	Low	Assessment	Undetermined	Ongoing	DOD-IRP
281	Oahu	Honolulu	FUDS Quartermaster Battalion (Kalihi)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
282	Oahu	Honolulu	FUDS Round Top Military Reservation (Makiki)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
283	Oahu	Honolulu	FUDS Sacred Hearts Academy	Low	Assessment	Undetermined	Ongoing	DOD-IRP
284	Oahu	Honolulu	FUDS Sand Island Asphalt Plant	Low	Assessment	Undetermined	Ongoing	DOD-IRP
285	Oahu	Honolulu	FUDS Sand Island Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
286	Oahu	Honolulu	FUDS Transportation Service Area No. 1 (Downtown)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
287	Oahu	Honolulu	FUDS Wailupe Impact Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
288	Oahu	Honolulu	FUDS Warehouse No. 3 & 4 (Honolulu)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
289	Oahu	Honolulu	FUDS Wilhelmina Rise Fire Control Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
290	Oahu	Honolulu	FUDS Yokohama Specie Bank Building	Low	Assessment	Undetermined	Ongoing	DOD-IRP
291	Oahu	Honolulu	Hickam AFB		Assessment	Undetermined	Ongoing	DOD-IRP
292	Oahu	Honolulu	Hickam AFB AOC EA11 Old HIANG Area Contaminated Soils	Low	Assessment	Undetermined	Ongoing	DOD-IRP
293	Oahu	Honolulu	Hickam AFB AOC EA69 Building 2030 Engine Wash Rack	Low	Assessment	Undetermined	Ongoing	DOD-IRP
294	Oahu	Honolulu	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Undetermined	Ongoing	DOD-IRP
295	Oahu	Honolulu	Hickam AFB Building 1204	Low	Assessment	Undetermined	Ongoing	DOD-IRP
296	Oahu	Honolulu	Hickam AFB ST20, Subsite F-708	Low	Assessment	Undetermined	Ongoing	DOD-IRP
297	Oahu	Honolulu	Hickam AFB ST28, F-3016		Assessment	Undetermined	Ongoing	DOD-IRP
298	Oahu	Honolulu	Hickam AFB ST30, Subsite 215	Low	Assessment	Undetermined	Ongoing	DOD-IRP
299	Oahu	Honolulu	Hickam AFB ST30, Subsite 940	Low	Response	Present	Ongoing	DOD-IRP
300	Oahu	Honolulu	Hickam AFB ST31, Subsite 1046B Tank	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
301	Oahu	Honolulu	Hickam AFB ST32, 1105		Assessment	Undetermined	Ongoing	DOD-IRP

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	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
302	Oahu	Honolulu	Hickam AFB ST32, 1250 A and B		Assessment	Undetermined	Ongoing	DOD-IRP
303	Oahu	Honolulu	Hickam AFB ST32, 1257 A & B		Assessment	Undetermined	Ongoing	DOD-IRP
304	Oahu	Honolulu	Hickam AFB ST32, 55-8-14		Assessment	Undetermined	Ongoing	DOD-IRP
305	Oahu	Honolulu	Hickam AFB ST32, F-2081		Assessment	Undetermined	Ongoing	DOD-IRP
306	Oahu	Honolulu	Hickam AFB ST32, Former Runway M		Assessment	Undetermined	Ongoing	DOD-IRP
307	Oahu	Honolulu	Hickam AFB ST32, Former Runway NW		Assessment	Undetermined	Ongoing	DOD-IRP
308	Oahu	Honolulu	Hickam AFB ST32, Former Runway SE		Assessment	Undetermined	Ongoing	DOD-IRP
309	Oahu	Honolulu	Hickam AFB ST32, Subsite 1113	Low	Assessment	Undetermined	Ongoing	DOD-IRP
310	Oahu	Honolulu	Hickam AFB ST32, Subsite 1132	Low	Assessment	Undetermined	Ongoing	DOD-IRP
311	Oahu	Honolulu	Hickam AFB ST32, Subsite 2050B	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
312	Oahu	Honolulu	Hickam AFB ST33, Subsite F-244	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
313	Oahu	Honolulu	Hickam AFB Tank (ST20-F727)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
314	Oahu	Honolulu	Hickam AFB, Building 2072 UST	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
315	Oahu	Honolulu	Honolulu Harbor Piers 39 and 40 Former Kapalama Military Reservation Pipelines	Low	Assessment	Undetermined	Ongoing	DOD-IRP
316	Oahu	Honolulu	Moanalua Shopping Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
317	Oahu	Honolulu	Navy Building 3407 Soil Contamination	Low	Assessment	Undetermined	Ongoing	DOD-IRP
318	Oahu	Honolulu	NCTAMS PAC, Various Transformer Sites	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
319	Oahu	Honolulu	PHNC, Seven Parcels of Navy Land Used by Separate Church Organizations		Assessment	Undetermined	Ongoing	DOD-IRP
320	Oahu	Honolulu	Tripler Army Medical Center Building 114 Pesticide Contaminated Soil	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
321	Oahu	Honolulu	Tripler Army Medical Center Building 224 Heating Oil Tank	Low	Assessment	Undetermined	Ongoing	DOD-IRP
322	Oahu	Honolulu	Tripler Army Medical Center Building 300 UST	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
323	Oahu	Honolulu	Tripler Army Medical Center IRP	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	Island	Installation	Site Name	Priority	Action	Potential Hazards	Site Status	Cleanup Program
324	Oahu	Honolulu	Tripler Army Medical Center UST Tank	Low	Assessment	Undetermined	Ongoing	DOD-IRP
325	Oahu	Honolulu	Wash Racks/Building 2025 and Near Building 1055 (KNMD-EA22)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
326	Oahu	Honouliuli	FUDS Brown's Camp Military Reservation (Ko Olina Resort)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
327	Oahu	Honolulu	FUDS Diamond Head Ammunition Storage	Low	Assessment	Undetermined	Ongoing	DOD-IRP
328	Oahu	Iwilei	FUDS Kuwili Park Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
329	Oahu	Kaaawa	FUDS Pacific Jungle Combat-01-Kahana Valley		Assessment	Undetermined	Ongoing	DOD-MMRP
330	Oahu	Kaena Point	Kaena Point STS EA06	NFA	Response	None	NFA	DOD-IRP
331	Oahu	Kaena Point	Kaena Point STS OT501 Building 21	NFA	Response	None	NFA	DOD-IRP
332	Oahu	Kahuku	FUDS Kahuku Airfield Army Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
333	Oahu	Kahuku	FUDS Kahuku Training Area	Low	Response	Present	Ongoing	DOD-MMRP
334	Oahu	Kahuku	Punamano AFS	Low	Assessment	Undetermined	Ongoing	DOD-IRP
335	Oahu	Kaimuki	FUDS St Louis College (Kalaepohaku)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
336	Oahu	Kalihi	FUDS 220th Signal Depot (Kalihi)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
337	Oahu	Kaneohe	FUDS 230th Station Hospital (Kaneohe)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
338	Oahu	Kaneohe	FUDS Battery Forrest J. French	Low	Assessment	Undetermined	Ongoing	DOD-IRP
339	Oahu	Kaneohe	FUDS Coconut Island	Low	Assessment	Undetermined	Ongoing	DOD-IRP
340	Oahu	Kaneohe	FUDS Fort Hase Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
341	Oahu	Kaneohe	FUDS Haiku Radio Station	High	Response	Present	Ongoing	DOD-IRP
342	Oahu	Kaneohe	FUDS Keaahala Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
343	Oahu	Kaneohe	Kaneohe MCBH Aviation Supply Facility	Low	Assessment	Undetermined	Ongoing	DOD-IRP
		Marine Corps Base Hawaii						
344	Oahu	Kaneohe	Kaneohe MCBH Blank Fire Patrol Lanes	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
		Marine Corps Base Hawaii						

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
345	Oahu	Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH UST KB-184	Low	Assessment	Undetermined	Ongoing	DOD-IRP
346	Oahu	Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH UST KB-31	Low	Assessment	Undetermined	Ongoing	DOD-IRP
347	Oahu	Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH UST KB-4042	Low	Assessment	Undetermined	Ongoing	DOD-IRP
348	Oahu	Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH UST KB-49	Low	Assessment	Undetermined	Ongoing	DOD-IRP
349	Oahu	Kaneohe MCBH	Kaneohe MCBH Building 1089 UST KB-44	Low	Assessment	Undetermined	Ongoing	DOD-IRP
350	Oahu	Kaneohe MCBH	Kaneohe MCBH Facilities Department Salvage Yard	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
351	Oahu	Kaneohe MCBH	Kaneohe MCBH Fire Bomb Mixing Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
352	Oahu	Kaneohe MCBH	Kaneohe MCBH H-3 Landfill	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
353	Oahu	Kaneohe MCBH	Kaneohe MCBH Munition Response Sites	Low	Assessment	Undetermined	Ongoing	DOD-IRP
354	Oahu	Kaneohe MCBH	Kaneohe MCBH Ordnance Demolition Area	Low	Assessment	Undetermined	Ongoing	DOD-IRP
355	Oahu	Kaneohe MCBH	Kaneohe MCBH Transformers F-678/678 Electrical Shop Site	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
356	Oahu	Kaneohe MCBH	Kaneohe MCBH UST KB-73	Low	Assessment	Undetermined	Ongoing	DOD-IRP
357	Oahu	Kapolei	FUDS Barbers Point Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
358	Oahu	Kapolei	FUDS Puu Makakilo Training Area		Assessment	Undetermined	Ongoing	DOD-MMRP
359	Oahu	Koko Crater	FUDS Koko Crater Radar Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
360	Oahu	Koolauloa	FUDS Laie Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
361	Oahu	Kualoa	FUDS Kualoa Airfield	Low	Assessment	Undetermined	Ongoing	DOD-IRP
362	Oahu	Kula	FUDS Marine Reservation (Kula)	Low	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
363	Oahu	Kunia	FUDS Campbell Gulch Ammunition Storage (Kunia)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
364	Oahu	Kunia	Kunia Field Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
365	Oahu	Kunia	Kunia Field Station at Kunia Gate	Low	Assessment	Undetermined	Ongoing	DOD-IRP
366	Oahu	Kunia	Kunia Field Station, UST Site (Pineapple Field)	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
367	Oahu	Kunia	Kunia Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
368	Oahu	Lualualei	FUDS Former Naval Ammunition Depot (NAD) Lualualei	Low	Assessment	Undetermined	Ongoing	DOD-IRP
369	Oahu	Lualualei	Naval Magazine Pearl Harbor MMRP	High	Assessment	Undetermined	Ongoing	DOD-MMRP
370	Oahu	Lualualei	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Undetermined	Ongoing	DOD-IRP
371	Oahu	Lualualei	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Undetermined	Ongoing	DOD-IRP
372	Oahu	Lualualei	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Undetermined	Ongoing	DOD-IRP
373	Oahu	Lualualei	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Undetermined	Ongoing	DOD-IRP
374	Oahu	Lualualei	NAVMAG LLL Fill Area MRS	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
375	Oahu	Lualualei	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
376	Oahu	Lualualei	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
377	Oahu	Lualualei	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
378	Oahu	Lualualei	NAVMAG LLL Outlying Operations Area	High	Response	Present	Ongoing	DOD-IRP
379	Oahu	Lualualei	NAVMAG LLL Rocket Test Range MRS and Trap and Skeet Range MRS	Medium	Response	Present	Ongoing	DOD-MMRP
380	Oahu	Lualualei	NAVMAG LLL Salvage Yard	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
381	Oahu	Lualualei	NAVMAG LLL Small Arms Firing Range MRS	Medium	Response	Present	Ongoing	DOD-MMRP
382	Oahu	Lualualei	NAVMAG LLL Stormwater and Sewage Systems	Medium	Response	Present	Ongoing	DOD-IRP
383	Oahu	Maili	FUDS Puuohulu Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
384	Oahu	Makakilo	Palehua Solar Observatory	Low	Assessment	Undetermined	Ongoing	DOD-IRP
385	Oahu	Makapuu	FUDS Makapuu Light House MMRP	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
386	Oahu	Makapuu	FUDS Makapuu Point Radar Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
387	Oahu	Mililani	FUDS Drum Fill Plant (Kipapa Gulch)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
388	Oahu	Mokuleia	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
389	Oahu	Nanakuli	FUDS Camp Beaumont (Nanakuli)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
390	Oahu	Pearl City	DRMO Manana Storage Area	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
391	Oahu	Pearl City	FUDS Ewa Storage Tank (Pearl City)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
392	Oahu	Pearl City	FUDS Former Navy Supply Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
393	Oahu	Pearl City	FUDS Manana Agricultural Experiment Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
394	Oahu	Pearl City	FUDS Waiiau Drum Storage Facility	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
395	Oahu	Pearl City	FUDS Waiawa Gulch Aviation Supply (Pearl City Industrial Park)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
396	Oahu	Pearl City	PHPWC, Pearl City Peninsula Landfill	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
397	Oahu	Pearl City	Waiawa Stream Tributary, Pearl City	Low	Assessment	Undetermined	Ongoing	DOD-IRP
398	Oahu	Pearl City Peninsula	PHPWC, Pearl City Peninsula Burn Disposal Area (CCH-owned)		Assessment	Undetermined	Ongoing	DOD-IRP
399	Oahu	Pearl City Peninsula	PHPWC, Pearl City Peninsula Waiawa Unit		Response	Present	Ongoing	DOD-IRP
400	Oahu	Pearl City Peninsula	PHPWC, Pearl City Peninsula, Burn Disposal Area (w/in landfill)		Response	Present	Ongoing	DOD-IRP
401	Oahu	Pearl Harbor	Ford Island Landfill	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
402	Oahu	Pearl Harbor	FUDS Dredge Spoil Disposal Site 3	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
403	Oahu	Pearl Harbor	FUDS Dredge Spoil Disposal Site 3A	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
404	Oahu	Pearl Harbor	JBPHH Various Transformer Sites	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
405	Oahu	Pearl Harbor	JBPHH, Underground Storage Tank at Marine Barracks Building 285	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
406	Oahu	Pearl Harbor	Pearl Harbor Naval Base Subsurface Oil	Low	Assessment	Undetermined	Ongoing	DOD-IRP
407	Oahu	Pearl Harbor	Pearl Harbor Naval Center, Makalapa Crater	Medium	Response	Present	Ongoing	DOD-IRP
408	Oahu	Pearl Harbor	Pearl Harbor Naval Shipyard & Intermediate Maintenance Facility (PHNSY & IMF)	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
409	Oahu	Pearl Harbor	Pearl Harbor Naval Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
410	Oahu	Pearl Harbor	Pearl Harbor Naval Supply Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
411	Oahu	Pearl Harbor	Pearl Harbor Navy Public Works Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
412	Oahu	Pearl Harbor	Pearl Harbor Sediment Study	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
413	Oahu	Pearl Harbor	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Undetermined	Ongoing	DOD-IRP
414	Oahu	Pearl Harbor	PHFISC Building 229 Three Unrecorded USTs	Low	Assessment	Undetermined	Ongoing	DOD-IRP
415	Oahu	Pearl Harbor	PHFISC RAA-1 Hotel Pier Site	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
416	Oahu	Pearl Harbor	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
417	Oahu	Pearl Harbor	PHFISC, Pearl City Fuel Annex	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
418	Oahu	Pearl Harbor	PHNC Building 1333 UST	Low	Assessment	Undetermined	Ongoing	DOD-IRP
419	Oahu	Pearl Harbor	PHNC Pacific Division Naval Facility Engineering	Low	Assessment	Undetermined	Ongoing	DOD-IRP
420	Oahu	Pearl Harbor	PHNC Red Hill Oily Waste Disposal Facility	Low	Assessment	Undetermined	Ongoing	DOD-IRP
421	Oahu	Pearl Harbor	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
422	Oahu	Pearl Harbor	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
423	Oahu	Pearl Harbor	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
424	Oahu	Pearl Harbor	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
425	Oahu	Pearl Harbor	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
426	Oahu	Pearl Harbor	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
427	Oahu	Pearl Harbor	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
428	Oahu	Pearl Harbor	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
429	Oahu	Pearl Harbor	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
430	Oahu	Pearl Harbor	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
431	Oahu	Pearl Harbor	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
432	Oahu	Pearl Harbor	PHNC, Underwater Munitions NDSA	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
433	Oahu	Pearl Harbor	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
434	Oahu	Pearl Harbor	PHNC, UST BP-1	Low	Response	Present	Ongoing	DOD-IRP
435	Oahu	Pearl Harbor	PHNC, UST EP-1	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
436	Oahu	Pearl Harbor	PHNSY & IMF, Dry Docks Subsurface Fuel and PCBs on Groundwater Site	Low	Response	Present	Ongoing	DOD-IRP
437	Oahu	Pearl Harbor	PHNSY Building 68 Electric Shop	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
438	Oahu	Pearl Harbor	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
439	Oahu	Pearl Harbor	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
440	Oahu	Pearl Harbor	PHNSY, UST 5 & 10	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
441	Oahu	Pearl Harbor	PHPWC Gas Station	Low	Assessment	Undetermined	Ongoing	DOD-IRP
442	Oahu	Pearl Harbor	PHPWC, Building X24 & Wash Rack X6	Medium	Response	Present	Ongoing	DOD-IRP
443	Oahu	Pearl Harbor	PHPWC, Industrial Waste Treatment Plant	Medium	Response	Present	Ongoing	DOD-IRP
444	Oahu	Pearl Harbor	PHPWC, Makalapa Landfill Area	Medium	Response	Present	Ongoing	DOD-IRP
445	Oahu	Pearl Harbor	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
446	Oahu	Pearl Harbor	PHPWC, Pearl City Peninsula Burn Area Site	Medium	Response	Present	Ongoing	DOD-IRP



HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	Island	Installation	Site Name	Priority	Action	Potential Hazards	Site Status	Cleanup Program
447	Oahu	Pearl Harbor	PHPWC, Various Transformers	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
448	Oahu	Pearl Harbor	PHPWC, Various Transformers II	Medium	Assessment	Undetermined	Ongoing	DOD-IRP
449	Oahu	Pearl Harbor	USN Fleet Training Group	Low	Assessment	Undetermined	Ongoing	DOD-IRP
450	Oahu	Puuiki	FUDS Puuiki Military Reservation (Waialua)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
451	Oahu	Salt Lake	FUDS Battery Louis R. Burgess (Salt Lake)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
452	Oahu	Schofield Barracks	FUDS 26th Station Hospital	Low	Assessment	Undetermined	Ongoing	DOD-IRP
453	Oahu	Schofield Barracks	Schofield Barracks Building 747 Diesel	Low	Assessment	Undetermined	Ongoing	DOD-IRP
454	Oahu	Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
455	Oahu	Schofield Barracks	Schofield Barracks, UST NCO Academy Building	Low	Assessment	Undetermined	Ongoing	DOD-IRP
456	Oahu	Schofield Barracks	Schofield Barracks, UST SB 155-2	Low	Assessment	Undetermined	Ongoing	DOD-IRP
457	Oahu	Schofield Barracks	Schofield Barracks, UST SB580-5	Low	Assessment	Undetermined	Ongoing	DOD-IRP
458	Oahu	Tantalus	FUDS Sugar Loaf Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
459	Oahu	Tripler Army Medical Center	Tripler Army Medical Center Building 144-145 UST	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
460	Oahu	Wahiawa	Buildng Quad-J UST Diesel Fuel Release	Low	Assessment	Undetermined	Ongoing	DOD-IRP
461	Oahu	Wahiawa	FUDS Wahiawa School	Low	Assessment	Undetermined	Ongoing	DOD-IRP
462	Oahu	Wahiawa	NAVCAM	Low	Assessment	Undetermined	Ongoing	DOD-IRP
463	Oahu	Wahiawa	NCTAMS PAC, Site 17, Transformer Sites (Buildings 106 and 261)		Assessment	Undetermined	Ongoing	DOD-IRP
464	Oahu	Wahiawa	NCTAMS PAC, Site 18, Transformers 2, 234, and 420	Medium	Response	Present	Ongoing	DOD-IRP
465	Oahu	Wahiawa	NCTAMS PAC, Transformer 420	Low	Response	Present	Ongoing	DOD-IRP
466	Oahu	Wahiawa	Opana Radar Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
467	Oahu	Wahiawa	Schofield Barracks (SB) 80-5 Underground Storage Tank UST	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
468	Oahu	Wahiawa	Schofield Barracks Building 1087 Bulk Fuel Field Yard	Low	Assessment	Undetermined	Ongoing	DOD-IRP
469	Oahu	Wahiawa	Schofield Barracks Building 589 Parking Lot	Low	Assessment	Undetermined	Ongoing	DOD-IRP
470	Oahu	Wahiawa	Schofield Barracks East Range	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
471	Oahu	Wahiawa	Schofield Barracks Site A-100-1	Low	Response	Present	Ongoing	DOD-MMRP
472	Oahu	Wahiawa	Schofield Barracks, NCO Academy, Building 6055	Low	Assessment	Undetermined	Ongoing	DOD-IRP
473	Oahu	Wahiawa	Wheeler Army Airfield MMRP-check and delete	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
474	Oahu	Waialua	FUDS Battery Carroll G. Riggs (Waialua)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
475	Oahu	Waialua	FUDS Battery George W. Ricker	Low	Response	Present	Ongoing	DOD-IRP
476	Oahu	Waialua	FUDS Dillingham Air Force Base	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
477	Oahu	Waialua	FUDS Nike Site No. 1 (Dillingham Military Reservation)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
478	Oahu	Waialua	FUDS Waialua Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
479	Oahu	Waianae	FUDS Amphibious Training Camp	Low	Assessment	Undetermined	Ongoing	DOD-IRP
480	Oahu	Waianae	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Undetermined	Ongoing	DOD-IRP
481	Oahu	Waianae	FUDS Waianae Aircraft Warning Service (AWS)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
482	Oahu	Waianae	FUDS Waianae Amphibious Training Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
483	Oahu	Waianae	Kaena Point STS OT503	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
484	Oahu	Waianae	Makua Military Reservation MMRP MAKU-004-R-01	Low	Response	Managed with Institutional Controls	Ongoing	DOD-MMRP
485	Oahu	Waianae	Naval Magazine Lualualei	Low	Assessment	Undetermined	Ongoing	DOD-IRP
486	Oahu	Waianae	NCTAMS PAC, NRTF Lualualei	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
487	Oahu	Waianae	Ordnance Reef Site HI-06	Low	Response	Present	Ongoing	DOD-MMRP
488	Oahu	Waiawa	FUDS Ewa Church Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
489	Oahu	Waikakalaua	Waikakalaua Ammunition Storage Tunnels	Medium	Assessment	Undetermined	Ongoing	DOD-IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards</u>	<u>Site Status</u>	<u>Cleanup Program</u>
490	Oahu	Waikakalaua	Waikakalaua Ammunition Storage Tunnels MMRP Site 24A	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
491	Oahu	Waikakalaua	Waikakalaua Ammunition Storage Tunnels MMRP WAST-002-R-03	Low	Response	Present	Ongoing	DOD-IRP
492	Oahu	Waikele	Naval Magazine Lualualei (Waikele Branch)	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
493	Oahu	Waikele	NAVMAG Waikele Burn Pit/Disposal Area	High	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
494	Oahu	Waikele	NAVMAG Waikele, Contaminated Soil, Waipio	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
495	Oahu	Waikiki	FUDS Ala Wai Field	Low	Assessment	Undetermined	Ongoing	DOD-IRP
496	Oahu	Waikiki	FUDS Base Yard No. 6 (Waikiki)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
497	Oahu	Waimanalo	Bellows AFS	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
498	Oahu	Waimanalo	Bellows AFS LF23 Hardfill Dump	Low	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
499	Oahu	Waimanalo	Bellows AFS Tinker Road Bridge Repair	Low	Assessment	Undetermined	Ongoing	NEPA
500	Oahu	Waimanalo	FUDS Nike Sites No. 3 & 4 (Bellows AFS)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
501	Oahu	Waimanalo	FUDS Rabbit Island and Kaohikaipu Island	Medium	Assessment	Undetermined	Ongoing	DOD-MMRP
502	Oahu	Waimanalo	FUDS Waimanalo Training Center	Low	Assessment	Undetermined	Ongoing	DOD-IRP
503	Oahu	Waimanalo	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Undetermined	Ongoing	DOD-MMRP
504	Oahu	Waimea Bay	FUDS Waimea Bay Gun Site	Low	Assessment	Undetermined	Ongoing	DOD-IRP
505	Oahu	Waipahu	NAVMAG LLL Waipio Peninsula	High	Response	Present	Ongoing	DOD-IRP
506	Oahu	Waipahu	Waipahu Ash Landfill	Medium	Response	Managed with Institutional Controls	Ongoing	DOD-IRP
507	Oahu	Waipahu	Waipio Soccer Complex	Low	Response	Present	Ongoing	DOD-IRP
508	Oahu	Waipio	FUDS Apollo Bore Site Tower	Low	Assessment	Undetermined	Ongoing	DOD-IRP
509	Oahu	Waipio	FUDS Dawn Star System	Low	Assessment	Undetermined	Ongoing	DOD-IRP
510	Oahu	Waipio	FUDS Kaukonahua Storage Annex	Low	Assessment	Undetermined	Ongoing	DOD-IRP
511	Oahu	Waipio	FUDS Waipio Hospital	Low	Assessment	Undetermined	Ongoing	DOD-IRP

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2022</b>								
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazards</u></b>	<b><u>Site Status</u></b>	<b><u>Cleanup Program</u></b>
512	Oahu	Waipio	FUDS Waipio Military Reservation	Low	Assessment	Undetermined	Ongoing	DOD-IRP
513	Oahu	Waipio	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	High	Response	Present	Ongoing	DOD-IRP
514	Oahu	Waipio	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	Low	Response	Present	Ongoing	DOD-IRP
515	Oahu	Waipio Peninsula	PHNC, Sandblast Grit Disposal	High	Response	Present	Ongoing	DOD-IRP
516	Oahu	Wheeler AAF	FUDS Asphalt Plant (Wheeler AAF)	Low	Assessment	Undetermined	Ongoing	DOD-IRP
517	Oahu	Wheeler AAF	Wheeler AAF Building 218	Low	Response	Present	Ongoing	DOD-IRP
518	Oahu	Wheeler AAF	Wheeler AAF Combat Aviation Brigade MRS	Low	Response	Present	Ongoing	DOD-MMRP
519	Oahu	Wheeler AAF	Wheeler Army Airfield	Low	Assessment	Undetermined	Ongoing	DOD-IRP
520	Palmyra Atoll	Palmyra Atoll	FUDS Palmyra Atoll	Low	Assessment	Undetermined	Ongoing	DOD-IRP

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