

**REPORT TO THE THIRTIETH LEGISLATURE  
STATE OF HAWAII  
2019**

**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  
FY2018**

**PREPARED BY:  
DEPARTMENT OF HEALTH  
STATE OF HAWAII  
DECEMBER 2018**

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**EXECUTIVE SUMMARY**  
**REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND**  
**FOR FISCAL YEAR 2018**

**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 2018 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 FY2018.

**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 2016, 2017 and 2018 state that the tax was levied on 4.8, 5.6 and 5.8 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 FY2018 was \$1,290,770 which includes fossil fuel collections. Total revenue to the ERRF, including the ERT revenue, was \$2,074,171.

**Budget and Expenditure**

The 2018 legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency

## EXECUTIVE SUMMARY

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Response (HEER) Office. The state expended \$1,218,871 from the ERRF during FY18 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 2014, 2015, 2016, 2017, and 2018 ERT revenue was , \$1,239,739, \$1,236,065, \$1,287,966, \$1,266,898, and \$1,290,770 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. The United States Environmental Protection Agency's (EPA) budget cuts from 2011 to 2018 resulted in a net loss of \$430,650 to our EPA State Response Program (SRP) grant, reducing funding for both staff and program activities. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FY2016 and FY2017 annual allocation dropped to \$936,300, and an additional 1 percent decrease in FY2019 to \$929,600. 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 temporarily restored for FY2018 and FY2019 to \$275,000.

EPA has notified HEER that the SRP grant allocation for FFY2020 is likely to decrease substantially due to a proposed change in the EPA allocation formula as well as changes in the administration. Future funding levels for PA/SI are expected to drop back to no more than \$225,000 in 2020.

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 *FY2018 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 488 release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 330 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 574 active sites under direct DOH oversight in the various State programs. This includes four new sites added during the last fiscal year, and 23 sites with known or suspected contamination that received No Further Action (NFA) determinations since the beginning of FY2018.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 462 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes 13 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

## EXECUTIVE SUMMARY

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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: <http://eha-web.doh.hawaii.gov/eha-cma/Org/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 Twenty-Ninth 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 FY2018, 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 FY17 Legislative Session appropriation amounts with FY18 adjustments: 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 FY2018 allocation of \$1,776,107. These FY 2018 allocations for CWB, SDWB and SHWB have dropped substantially compared with the FY2016 allocations, while the HEER allocation has increased from \$1,132,230 in FY2016.

In FY2018 the legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and the HEER Office.

For FY2018 the state expended \$1,218,871 for 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.

#### 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 2016, 2017 and 2018 states that the tax was levied on 4.8, 5.6 and 5.8 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: \$1,239,739 (2014), \$1,236,065 (2015), \$1,287,966 (2016), \$1,266,898 (2017), and \$1,290,770 (2018). 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 – FY2018**

HTH 849 and HTH 840

ENVIRONMENTAL RESPONSE TAX	1,290,770
INVESTMENT POOL ACCOUNT	19,664
FEES, FILING OF CHEMICAL INVENTORY FORMS	175,800
FEES, VOLUNTARY RESPONSE ACTIONS	16,008
VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS	118,606
VIOLATIONS OF HAZARDOUS WASTE REGULATIONS	46,019
VIOLATION OF WATER POLLUTION REGULATIONS	227,364
VIOLATION OF SOLID WASTE REGULATIONS	145,400
VIOLATIONS-DEPOSIT BEVERAGE CONTAINER PROGRAM	27,539
COMMUNITY NOISE CONTROL	7,000
TOTAL	<u>2,074,170</u>

**Environmental Response Revolving Fund Expenditure – FY2018**

HTH 849 and HTH 840

PERSONNEL	72,906
OPERATIONS	1,145,965
EQUIPMENT	-
TOTAL	<u>1,218,871</u>



## 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 Thirtieth Legislature, State of Hawaii, 2019 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2018
- Amounts distributed during Fiscal Year 2018
- Projected collection for Fiscal Year 2019

#### 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, 2018, there are 848 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.

DOH, HSERC, and the LEPCs would like to thank the Legislature for their support in the successful legislation of the Tier II Filing Fee increase from \$100 to \$200 signed into law in 2017.

#### Tier II Filing Fees Collected and Distributed – FY2018

FY 2018 Amount Collected	\$163,800
FY 2018 Amount Distributed (FY 2016 Collected Fees)	\$71,760
FY 2019 Projection of Fees to be Collected	\$165,000

County	Funds Distributed to LEPCs	Number of Qualifying Facilities		
		Non-Military Facilities	Military Facilities	Total Facilities
Honolulu	\$32,789	388	29	417
Hawaii	\$17,158	203	4	207
Maui	\$13,610	161	3	164
Kauai	\$8,113	96	5	101
<b>Total</b>	<b>\$71,670</b>	<b>848</b>	<b>41</b>	<b>889</b>

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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. Together, these federal programs provided over 26% of the HSRP funding in FY2018.

### ***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

## THE HAWAII STATE RESPONSE PROGRAM

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were \$1,030,350 (2012), \$980,850 (2013), \$980,850 (2014), \$980,850 (2015), \$936,300 (2016), \$936,300 (2017), \$936,300 (2018). EPA has notified DOH to expect further cuts for the FY2019-FY2020 grant cycle.

### ***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 FY2018, the state's reimbursement under DSMOA was \$427,824.

### **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, 2014 until April 30, 2019. 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 2018, the HEER Office recovered \$16,008. 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.

## THE HAWAII STATE RESPONSE PROGRAM

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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 HEER Office is responsible for planning, preparing for, and responding to releases of hazardous substances that may cause immediate and substantial threat to human health or the environment. This major area of responsibility is managed by General-funded State On-Scene Coordinators (SOSCs) trained to enter hazardous atmospheres in self-contained breathing apparatus (SCBA) and various types of personal protective equipment.

SOSCs are back-up personnel to first responder County HAZMAT teams and on 24-hour call.

In FY2018 HEER's SOSCs managed 488 release notifications and performed direct oversight on 158 of those cases.

***Notable HEER Office responses during FY2018 include the following:***

On September 20, 2017, EP&R Section received a referral from the SDAR Section regarding results of a site characterization of Factory Street, Oahu, indicating lead concentration up to 24,800 parts per million (ppm). In the 1990's, EPA conducted a removal, with follow-up given to the State for further action. After letters to residents and owners were sent out informing them of DOH concerns regarding exposure to lead, patching and sealing of exposed areas were conducted on October 10, 2017.



**HECO Waiawa Pipeline Release Incident Case No.: 20180109-1915**

On January 9, 2018, a discharge of low sulfur fuel oil from a pipeline that transfers oil from the Campbell Industrial Park Generating Station to the Waiawa Generating Station. Approximately 3,100 gallons were released. Cause of the release was a small hole in underground petroleum pipeline.





**Drum Washed Ashore in South Point  
Case #20171023-1023**

On October 23, 2017, a 55-gallon drum with unknown contents washed ashore in a remote area in South Point, Big Island. The drum appeared to be leaking. Hawaii Fire Department Hazmat responded to the scene to help identify and overpack the drum. The substance was acidic and once it was contained it was removed and disposed of properly.



January 28, 2018

Illegal Dumping of Motor Oil Drum Behind Kapolei Costco

Case #20180128-1121

A 55-gallon drum of motor oil was illegally dumped in a secluded area behind Kapolei Costco. The drum was near a canal and its contents had spilled on to the ground beside it. The drum substance was identified and the impacted soil was removed along with the drum.



## THE HAWAII STATE RESPONSE PROGRAM

### May 4, 2018 Island Mover's Mercury Spill Case #20180504-1045

On May 4, 2018, EP&R received notification of a mercury release. While movers were loading a water pump to a coffee company, they spilled mercury from the pump. The mercury was found at coffee company delivery area, the bed of the delivery truck and at the mover's staging area. The affected areas were excavated and Merc X was used to bind the mercury. Instrumentation and soil sampling were conducted to confirm mercury had been removed.



## THE HAWAII STATE RESPONSE PROGRAM

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**May 4, 2018**

**Puna Area Volcanic Eruption**

**Case #20180504-0900**

The Lower East Rift Zone of Kilauea began erupting on May 3, 2018 in a residential community of Leilani Estates. Several fissures began to erupt, producing tons of lava, covering thousands of acres of land and destroying hundreds of homes. Volcanic gasses were also released from the fissures which caused air quality issues and led to the establishment of air monitoring network for the surrounding communities. Puna Geothermal Venture (PGV) Power plant, previously producing 25% of energy to the Big Island, was shut down and is currently surrounded by lava. Approximately 55,000 gallons of pentane were removed from PGV and its wells were shut down.



**F/V Pacific Paradise grounding in Waikiki  
Case No. 20171011-0043**

On the night of October 10, 2017, a commercial fishing boat grounded off Waikiki by the War Memorial Natatorium. The area is environmentally sensitive as it is a DLNR-designated marine life conservation district and habitat for endangered species (monk seals and turtles). All 20 crew members were rescued by HFD and USCG. Hazardous materials on board were approximately 4,500 gallons of diesel, 50 gallons hydraulic oil, 50 gallons of lubricating oil, marine batteries, miles of longline, and thousands of fishing hooks.

There were three attempts to tow the vessel. During the second attempt, a fire broke out onboard the vessel. The fire could not be extinguished and burned itself out after 2 days. The vessel sank on the reef and was deemed a wreck. Additional marine salvage companies were hired to remove hazardous materials before towing the vessel off the reef.

High surf compromised safety to the responders and delayed the response effort. After the surf subsided, response crews were able to board the vessel conducting removal activities, repairing hull damages, preparing the vessel for refloat, and assessing the surrounding reef for the vessel's exit route.

Air monitoring and water testing results showed no impacts to the shoreline. The endangered monk seals and turtles were not affected. However, the reef sustained damages which is under investigation by DLNR.

After weeks of repairs and preparations, the vessel was refloated by injecting 2-part foam into the engine room, and pumping water from the fish holds. On December 7, 2017, the vessel was towed off the reef and taken straight to EPA's approved disposal-at-sea site and sank.



Pacific Paradise prepared for scuttling off shore  
*U.S.Coast Guard  
Photo courtesy of Marine Resolve*

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### **Hazard Evaluation Actions and Studies**

#### ***Protecting Public Health during Kilauea East Rift Zone Eruption***

On May 3, 2018, two days after US Geological Survey reported evidence of magma moving into the Lower East Rift Zone signaling possible eruptive activity, the first fissures opened, spewing lava into Lower Leilani Estates and emitting dangerous concentrations of sulfur dioxide gas. These twin threats posed an imminent health hazard to the Leilani Estates and Lanipuna Gardens residents, and would spread over the following months through Puna across the Lower East Rift Zone. Through the Governor's Emergency Proclamation and activation of the statewide emergency management system, DOH responded to provide expert guidance and assessment of air quality hazards in support of Hawaii County Civil Defense (HCCD) Incident Command.

#### **Critical Partnerships Stand Up Emergency Air Monitoring Network**

DOH is grateful for the extraordinary partnerships with the Hawaii National Guard Civil Support Team, MIT and US EPA Region 9 Emergency Response to rapidly acquire and deploy monitoring equipment to support the Incident Command at Hawaii County Civil Defense during the eruption and provide all needed air monitoring and data management and reporting services to support existing emergency response efforts and real time public data reporting.,

#### **Hazard Assessments, Recommendations and Public Engagement**

Subject matter experts from the HEER Office, Emergency Medical Services Injury Prevention Systems Branch, the State Laboratory Division, the Air Quality Monitoring Section, the Hawaii Island District Health Office, US EPA and US Geological Survey worked closely together to rapidly stand up an emergency air monitoring network to gather real time data about changing risks in affected communities and identify emergency public health protection needs.

The HEER Office established a continuous, State On Scene Coordinator presence at HCCD in Hilo for both air monitoring and oversight of the shutdown of Puna Geothermal Venture, including safe removal of large stores of pentane and other hazardous materials, closure

and sealing of hydrogen sulfide wells, and ongoing assessments of the encroaching lava threats.

HEER and EMSIPSB developed hazardous gas action level recommendations to HCCD to trigger emergency actions, including sheltering in place and evacuation. They assisted with procurement of essential personal protective gear for first responders, set up health surveillance for first responders and EMT calls, participated in press conferences and public meetings, development of public advisories on emerging hazards, such as laze, ashfall and volcanic glass, and appropriate protective measures for differing conditions, such as use of d95 masks for heavy ashfall. HEER worked closely with UH Manoa SOEST to integrate their visual SO<sub>2</sub> Vog Measurement and Prediction (VMAP) into HCCD emergency decision making and public messaging.

#### ***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.

#### ***Health Surveillance for Environmental Factors***

In FY2018, 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, and illnesses potentially related to the environment. DOH continued integration of environmental and health effects datasets used to track disease related to environmental pollution factors during normal and emergency response conditions. Data sharing from formal health surveillance systems for both environmental pollutants and infectious diseases was further automated using multiple funding sources, including the ERRF. A description of the Department's health surveillance system in 2007 is at: <http://hawaii.gov/health/about/legrpts2007/> in a report under HCR 76, HD 1, 2006. Using ERRF funding, the HEER Office continued its actions to electronically acquire, manage, and analyze environmental surveillance data received from physicians and laboratories.

***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), with the Public Health Nursing Branch. HEER was able to hire a full-time epidemiology specialist for childhood lead activities using this funding. Together, the HI-CLPPP team is working to reduce children's exposure to lead by improving blood lead level surveillance, case management, guidelines for health care professionals, education, and linking families to needed services.

After recognizing the need for early action to protect children, the HEER office purchased an off the shelf web-based application, Consilience Software Inc.'s Maven, to coordinate and enhance surveillance of lead poisoning in Hawaii. In FY2017, HEER worked with the developer to design and implement the Maven lead model. In February 2018, Maven went live and is fully operational, receiving approximately 90% of all lead blood tests in Hawaii. These results are immediately reviewed and when children with very high lead levels are identified, public health nurses help the family minimize the child's exposure to lead. When needed, environmental investigations are also conducted. HEER, with Maven's help, ensures that children with elevated lead levels are getting the management and assistance needed to reduce the overall lead burden in Hawaii.

For calendar year 2017, 15,750 children ( $\leq 6$  years old) were tested for blood lead levels. One hundred and fifty-two children had an elevated blood lead level between 5-9  $\mu\text{g}/\text{dL}$ . Another forty-three children had an elevated lead level of  $\geq 10 \mu\text{g}/\text{dL}$ . The percentage of children with a lead level  $\geq 10 \mu\text{g}/\text{dL}$  was 0.29%, which is below the national level of 0.5%. 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.

In May of 2017, the U.S. Food and Drug Administration and Centers for Disease Control and Prevention warned Americans that certain blood lead tests manufactured by Magellan Diagnostics may provide inaccurate results for some children and adults in the United States. The CDC recommended that parents of children younger than six years (72 months) of age and currently pregnant women

and nursing mothers at the time of this alert who have been tested for lead exposure consult a health care provider about whether they should be retested. The point of care Magellan Diagnostic equipment for blood lead testing is used extensively in Hawaii by the major commercial laboratories. DOH worked with the local labs to ensure that they were aware of the FDA advisory. After their brief inability to analyze venous blood samples for lead, the local labs adjusted to outsourcing this analysis to larger labs on the main land. In FY2018, DOH noticed the need for outreach to health care providers to inform them that venous blood lead samples can still be ordered. Capillary blood lead samples may give a false high result due to lead on the skin or in the environment, making venous tests highly preferred for case management.

***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, now receives these results automatically using electronic laboratory reporting (ELR). 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 using the lab results in Maven.

HEER began the process of amending HAR 11-5 in FY2018. The planned changes include improving data quality and completeness, requiring all results be reported to the DOH (cases and normal results) and specifying demographic information to be included with the laboratory results. The HAR-11-5 amended rules will allow HEER to access environmental illness trends and patterns across the years that will provide for the basis of population-based interventions and effective screening moving forward.

In addition to the funding provided by the CDC, the Hawaii State Legislature authorized a new Epidemiology position by Act 49, SLH 2017. The Epidemiologist II to be established, 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. The HEER Office is in the midst of a re-organization to establish and recruit this position.



In February 2018, DOH issued a final report on the Biomonitoring Pilot Study of hair mercury levels in Clients Attending the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) Program.

In 2008 and 2009, 643 WIC participant volunteers provided hair samples and completed questionnaires on their fish consumption. Hair mercury levels were higher in women and children in this study compared to those measured in a national survey. No participants exceeded 12 ppm, the maternal hair level associated with subtle neurodevelopmental effects in children exposed in utero. Over 50% of participants reported not eating the recommended two servings a fish a week. More efforts to promote fish consumption of lower mercury fish targeting pregnant women and young children will provide maximal health benefits. The report is available on line at: <http://eha-web.doh.hawaii.gov/eha-cma/documents/b205e169-a575-4155-8bfc-c160b7e8b9ba>

### ***HEER Partnership with Hawaii Department of Agriculture on Statewide Pesticide Concerns***

DOH and DOA established a statewide pesticide partnership in 2014 to identify and implement initiatives to address ongoing concerns from residents and communities on Kauai and elsewhere about potential pesticide exposures resulting from off-target impacts of restricted and general use pesticide products in Hawaii. HEER provides technical, scientific and health advisory services to DOA to assess potential environmental and human exposures to pesticide residues resulting from use or misuse of pesticides. The primary focus areas to date have been environmental monitoring, health data reviews, coordination of rapid interagency responses to pesticide incidents and multi-faceted community engagement, including public health education and outreach.

### ***Assessing Pesticides in Surface Waters***

Beginning in 2013, HEER has collaborated with DOA and USGS on surface water sampling to determine if pesticides are moving off-target at unacceptable levels. DOH contributed initial funding and led the 2013-14 Pilot Study and continues to provide technical and scientific guidance on study design, implementation and data interpretation. Under the current Joint Funding Agreement between HDOA and USGS, utilizing funds provided to DOA by the 2017 Legislature, such studies will continue through 2019, and may be extended at that time, should funding be available. Sampling occurs on an

annual schedule with reports published the following year. This new phase of the multi-year study includes more pesticides and breakdown products than earlier studies and includes both dry weather and storm water sampling to assess the relative impacts of dry and wet conditions on pesticide concentrations and transport in local waterways.

In FY2018, sampling was expanded to the Big Island and Maui, (15 and 12 sites, respectively) as well as 15 sites on Oahu. Results are expected to be released in March 2019.

Results from November 2016 – April 2017 were released in early 2018 for 31 sampling locations on Kauai and Oahu are posted on line at: <https://www.sciencebase.gov/catalog/item/5a5fda0de4b06e28e9bfc63a>

None of the samples collected exceeded state or federal regulatory limits. Two insecticides and one herbicide exceeded aquatic life benchmarks. 98% of all pesticides detected in the study represent trace concentrations at least 10 times lower than the lowest state or federal benchmark for human health and aquatic life. 26 of 31 locations had detections of one or more pesticides. The sample with the most detections was taken during peak flow of a winter storm from Honouliuli Stream in central Oahu, with 33 detections of pesticides or their breakdown products.

High flow sampling during storm events showed consistently higher numbers of insecticides and fungicides compared with low flow samples.

### ***Rapid Response Teams - Emergency Response Coordination for Pesticide Incidents***

The state recognizes that effective interagency response to emergencies begins with preparedness. Strong internal and external working relationships are needed to ensure public trust and promote successful, coordinated responses in the event of a pesticide incident. In 2017, working through the Hawaii State Emergency Response Commission, DOH and DOA collaborated to host pesticide incident workshops in each County, bringing together a wide group of stakeholders. Due to its expertise in emergency response and relationships with Local Emergency Planning Committees, HEER Office leads the technical planning aspects of both the workshops and the upcoming Tabletop exercises using its non-emergency contractor.

In 2018, the Departments completed planning to conduct Pesticide Incident Tabletop exercises in each County to test partner capabilities to respond to a mass casualty pesticide exposure. Funding for this work is provided by DOA and implementation is expected in FY 2019.

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

**Technical and Risk Communication Assistance** to the Department of Education (DOE) on safe management of contaminated soil hazards at DOE schools on the Big Island. DOE recently completed a study of soil contamination from lead paint, arsenic, and legacy pesticides. HEER assisted with an overall and school specific environmental hazard management plans as well as the creation of fact sheets and additional information sources for DOE to use when communicating with school administrators, teachers, staff, students and families.

**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 toll-free number is 800-222-1222. As of March 2017, physicians may now report pesticide-related illnesses to the Hawaii Poison Center at 800-222-1222, who will inform DOH on the provider's behalf and provide 24/7 medical advice for management of suspected pesticide exposures.

Per [Hawaii Law HAR 11-5](#), physicians and laboratories must report known or suspected pesticide-related illness and injury to the Department of Health within 24 hours. Historically, this has not happened, and the Department has relied on receipt of electronic test results from laboratories.

To facilitate reporting, DOH has contracted 24/7 services with the Hawaii Poison Center (HPC), added resources and a new fillable, reporting form at: <http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Pesticide-Illness-Reporting>

**EMS/Physician Training on Hazardous Chemicals** Alvin C. Bronstein, MD, DOH EMS & Injury Branch Chief, held an EMS/Physician Training on Hazardous Chemicals (April 2018) in partnership with Kapiolani Community College and the Louisiana Poison Center that was attended by 38 people, representing all islands. Additional pesticide-specific trainings for each of the counties are currently being developed/considered.

### *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. A similar guidance document prepared for use in CNMI, Guam and American Samoa was also updated. A training webinar joined by an estimated 200 regulators and consultants from Hawaii and the US mainland was presented and later recorded and posted to the HEER YouTube webpage.

**Petroleum Health Risk Guidance** HEER staff participated in preparation of guidance on the risk posed by releases of petroleum into the environment. The guidance will be published by the Interstate Technology and Regulatory Council (ITRC) in early 2019. Hawaii has been a leader in the assessment of petroleum contamination since participating in a similar group in the 1990s. HDOH staff prepared a companion document that summarizes Hawaii's experience in this field and will be referenced in the final ITRC document. New information presented by petroleum experts in the group was also used to update Hawaii's guidance.

**Chinese Academy of Sciences** Dr. Roger Brewer, a toxicologist and environmental scientist with the HEER Office, took a six-month leave-of-absence from December 2017 to May 2018 to work with the Chinese Academy of Sciences in Nanjing, China. Representatives from the Academy of Sciences had met Dr. Brewer at an environmental conference in California and were impressed with Hawaii's guidance for the expedited and more reliable investigation and cleanup of contaminated industrial and agricultural properties. The guidance reflects the collective experience and lessons learned of regulators and consultants working in Hawaii over the

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past 25-plus years. While in China, Dr. Brewer met with numerous government and private entities, assisted in the translation of Hawaii's guidance into Chinese and training of regulators and private consultants, presented at national conferences and helped carry out pilot investigations at several contaminated industrial and agricultural sites across the country.

Dr. Brewer has been invited to return to China in 2019. Lessons learned from this collaborative work with environmental experts in China will be incorporated into future updates of the HEER Office guidance documents. China is emerging as a world expert in the restoration of damaged agricultural lands. This experience could prove useful to supplement Hawaii's own expertise in agriculture as well as optimization of dwindling agricultural lands across the islands.

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

***Continued Re-development 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 FY2018, 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, 1339 state sites have been identified and investigated by the section. 775 sites received NFA determinations. Of these, 379 sites have been addressed and have no ongoing oversight requirements and another 226 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2018, 19 new sites were added due to both active site discovery efforts and statewide redevelopment activities. 23 sites were given a no further action letter. At the end of FY 2018, 567 state sites remain open under active oversight and are being 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, 1020 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, 198 sites have been addressed and have no ongoing oversight requirements and another 94 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2018, 230 new sites were added due to both active site discovery efforts and statewide redevelopment activities. 13 sites received NFA determinations. 461 military sites remain open at the end of FY 2018 under active oversight and are being 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 2018, 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. To date, 32 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 27 LOCs for 25 sites, closed one site with a No Further Action (NFA) determination without liability relief, and seen three sites withdraw from the program.

There are five active VRP sites in the program. Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities.

### ***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 includes cost recovery, providing necessary funding for the HEER Office to provide priority oversight for sites that pose 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 has been completed and site has been fully re-developed. The No Further Action Letter with Institutional Controls was issued in FY17.

### ***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. The Site Discovery program was awarded a grant of \$275,000 for 2018 by the EPA.

Sites are identified by searching historical digital collections of state and national libraries, archives, and

museums for 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 macadamia nut plantations.

The Site Discovery Program has focused on two of Hawaii's 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 Hawaii, in 1948 dioxin containing herbicides were included. Since 2007 the HEER Office Site Discovery Program has been searching for the herbicide mixing and loading sites on every island to identify any hazard left behind by the historical operations at each plantation. Mixing sites have been identified at 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.

The Site Discovery Program has also included lead in this years' site work. UH Marine Center a new tenant at Pier 34 & 35 dispose of lead contaminated soil from Hawaii Lead Company, a foundry operating at Honolulu Harbor Pier 35 in 1958. The HEER Office will also be working with the DOE identifying former firing ranges at high schools that once offered JROTC programs. Lead contaminated soil has been identified at several private high school with firing ranges and at Farrington High School's firing range.

Since 2007, the HEER Office Site Discovery program has investigated 94 sites statewide, 44 sites require no further action. 50 sites require further investigation. In 2018, eight additional sites were added. These sites were mostly related to herbicide contamination. One site is related to a firing range at a public school. In FY2018 two sites received a no further action designation.

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

The biggest challenge we face in the HEER Office is that the majority of these 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. Risk based closures and management in place are much more feasible alternatives to implement as there is limited

landfill space in Hawaii and no on-island hazardous waste disposal. 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
2. Extensive Public Outreach & Material Development
3. Site and Document tracking by the public via iHEER

The combination of these three 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* a release occurs. It also provides consistent, publicly available information about areawide contamination concerns that property owners, tenants, developers and prospective purchasers can use to learn about the HEER Office. Lastly, it allows the HEER Office to manage the plethora of sites being managed long-term with Environmental Hazard Management Plans or other types of engineering and institutional controls. 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, 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.

***Site and Document tracking by the public via iHEER:***

iHEER development was significantly curtailed by budget and administrative issues and the designs that were projected to be implemented did not take place. Renewed efforts will be made in the upcoming fiscal year to rectify the situation and complete the site migration that was planned in FY17. Once the initial data has been quality checked, the interface for presenting site status and documents electronically will be enhanced and ready for small scale testing.

***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 FY2018, construction continued at stations in the two westernmost areas of the project. Additionally, guideway construction accelerated in the industrialized area near the airport, and preconstruction activities associated with utility relocation began in the City Center part of the project. Both the Airport and City Center Guideway Areas are in areas with much higher potential

for contamination, and within densely populated regions of Oahu.

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 FY2018, the SDAR Section worked closely with the Solid and Hazardous Waste Branch (SHWB), the Clean Air Branch (CAB), Indoor Air and Radiological Health Branch (IRHB), and the HEER Office's EP&R and HE Sections.

Last fiscal year, the SHWB and HEER Office assisted HART with pre-construction environmental work at the Lagoon Station site. This fiscal year, after HEER Office and SHWB review, HART finalized a Remedial Action Completion Report with a site-specific EHMP to help construction contractors safely and efficiently manage the remaining environmental issues at the site during construction.

Additional interagency collaboration on the rail project during FY2018 included:

- The HEER Office and Honolulu Authority for Rapid Transit (HART) gave a joint presentation to HART staff about the history of environmental management at the project and a broad overview of soil and groundwater management procedures. The HEER Office was also invited to give a Contaminant Awareness
  - Presentation to a HART contractor. During the presentation, the Programmatic EHE-EHMP was also briefly discussed.
  - The CAB coordinated with the HEER Office to respond to public complaints of dust from stockpiles stored in the City Center Area.
  - SDAR staff, along with an On-Scene Coordinator (OSCs) visited the future site of a two rail stations with releases. At one station, underground structures, contaminated soil, and contaminated groundwater were observed. At a second rail station an underground storage tank was punctured during construction. During tank removal and cleanup, it was discovered there was also historical release from the bottom of the tank. Residual contamination at both sites is anticipated to be managed post-construction with site-specific EHMPs. This will involve additional collaboration, as both sites
- will be returned to non-HART property owners following construction.
  - HDOH had a joint meeting with HART to discuss project details and upcoming reviews associated with two Brownfields grants HART received. A cleanup grant will investigate disposal options for soil and groundwater at the future Iwilei Station site. An assessment grant will be used to completed 99 Phase I Environmental Site Assessments in the City Center Area.
  - The HEER Office began discussions with DBEDT and Terranav about opportunities to incorporate renewable energy into the H RTP.

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

UXO continues to be one of the main contaminants of concern throughout the State. Over the past decade, several Formerly Used Defense Site (FUDS) UXO investigations have taken place throughout the State, highlighting the number and severity of the UXO problem. Many of the areas being investigated are high-traffic areas by the public (Maunawili Trail, Hapuna Beach, Goat Island, 'Ahihi Kina'u, etc.) and as 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 be actively engaged in public outreach in the affected communities and with State and local authorities to inform the people of the hazards of UXO. The HEER Office also continues to partner with Federal, State and local entities to design signage that incorporates historic, cultural, and safety messages at high profile public venues like Hapuna Beach, Ahihi Kinau, and Maunawili Trail.

The HEER Office has the final revision of its areawide UXO EHMP for the Waikoloa Maneuver Area along with the No Further Action with Institutional Controls letter. Both are under review by the Deputy Director for Environmental Health and Attorney General. Upon approval, Housing and Urban Development will be approached to see if they will unfreeze federal monies so that the housing projects in the area can proceed. Education regarding contamination in the area and the guidance outlined in the EHMP will be continuous in the area for the foreseeable future.

The HEER Office brought in Westcliffe Engineers, Inc to do a two-day training on UXO for HEER Staff as well as project managers from the various branches of the military throughout the state. The HEER Office is also looking to procure a contractor in late 2018 to assist with



its oversight and review of several FUDS projects throughout the state and to develop its own expertise and knowledge of QA/QC procedures related to UXO investigations.

***Re-development of Various Properties Across the State***

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. The most recent projects that have been completed or are close to completion include but are not limited to Symphony Park, International Marketplace, and the Honolulu Advertiser Building. 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 (e.g., Voice of America, Kapalama Container Yard, and Radford High School). The HEER Office strives to assist its fellow State Departments in ensuring the safety of the sites and designing long term remedies that allow for potential re-use/re-development.

***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 63 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. In addition to the land portion of the project,

a significant amount of sediment will be dredged and tested for re-use as well.

***Factory Street***

The Factory Street Lead Site is a site with lead contamination in a mixed commercial/industrial area that was closed in the 1990s when the highest concentrations of lead were excavated, and residual contamination was paved over to prevent exposure to residents and workers. The street (including the shoulder area) is a property with unknown ownership and therefore questionable assignment of responsibility for maintenance. The City and County maintains the street but does not own it. The Factory Street Lead Site was revisited in 2016, a site walk conducted, and Factory Street was determined to be in need of repair to prevent potential exposure to high concentrations of lead. Owners and residents were contacted to determine actual property lines to determine responsibilities for maintenance of the shoulder area. An exposed soil area was identified as posing a potential threat to human health and the environment and was tested by HEER Office personnel for lead using a modern (multi-increment) sampling technique for representative lead data collection and risk assessment but was determined to have low lead concentrations. In March 2017, HDOH conducted a public outreach event to inform the residents in the area of the condition of the degrading road and potential for lead exposure, to update them on the planned path forward regarding remedial investigation and paving, and to provide information on how they can prevent children from being exposed to lead. The HEER Office prepared a sampling and analysis plan for assessment of the area to determine nature and extent more clearly vertically and horizontally, characterize risk to residents and utility workers, and determine waste disposal volumes and options. The Site Assessment was planned for and executed by HEER's non-emergency contractor in July 2017 and the plan presented to the public via the Kalihi Neighborhood meeting and notices to owners and residents in the assessment area.

The HEER Office initiated discussions with different departments of the City and County of Honolulu in 2016 to ensure safe working and living in the area. In response, the City and County patched the travel way of the road in the area of highest lead concentrations. Identification of responsibility for the release and maintenance of the street and shoulder areas is ongoing. Near future plans for the street were an interim action (paving) and an Area-Wide EHMP for the Area that is being prepared by the HEER Office. The EHMP will enable

the City and County to conduct paving and water and sewer line replacement in a safe manner.

### ***Radford High School Track & Field and Makalapa Elementary School***

The Remedial Investigation on the Makalapa campus and uninvestigated areas on the Radford campus by the US Army Corps of Engineers (USACE) to determine the nature and extent of the buried debris is complete and a report of its findings along with a feasibility study outlining the remedial alternatives will be ready by the end of 2018. Public meetings will be held by the USACE before a final remedy is selected.

### ***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.

Work is underway at a number of high priority sites, including:

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

The 616 Iwilei site has completed active remediation and now is being re-developed into a warehouse. Initial trenching for utilities in the area has not discovered any subsurface coal tar contamination. The soil vapor extraction (SVE) system for the Dole Cannery Building has been re-located and a soil gas study is being conducted in the building to determine the frequency at which the SVE system should be run. The remedial alternatives analysis has been put on hold with the SVE system serving as an interim measure to ensure tenant safety.

### ***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 is 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.

The HEER Office continues to oversee the long-term management of all the OUs and manages the following ongoing activities to ensure the protectiveness of the remedies selected.

- Site-specific EHMP implementation for investigated areas and Areawide EHMP implementation on areas where no investigation has taken place.
- Partnership with DOT to provide guidance for new tenants as they perform intrusive activities near any of the OUs.
- Continued outreach to affected stakeholders. In order to reach tenants, utilities and property owners planning excavation activities within IDPP Hazard Management Areas, IDPP is conducting multiple outreach meetings to provide guidance and direct construction support for safe management of contaminated materials. The presentation materials include standard operating procedures for safe management of petroleum impacted soils during construction activities, including excavations, dewatering, soil disposal or re-use, and worker protection.

### **Continued oversight of Federal Facilities on the National Priorities List (Pearl Harbor Naval Complex & NCTAMS)**

#### ***Pearl Harbor Sediments, PHNC***

The Remedial Investigation/Feasibility Study identified various areas with sediments contaminated with total PCBs and metals and remedial alternatives were evaluated and proposed.

The preferred remedial alternatives identified in the Feasibility Study evaluation, and presented for public comment in a Proposed Plan and Restoration Advisory Board meeting were as follows:

- SE-1 (Southeast Loch) - Focused Dredging with Enhanced Natural Recovery (ENR), Activated Carbon (AC), and Monitored Natural Recovery (MNR) (20 years)
- N-2 (Oscar 1 and 2 Piers Shoreline) - ENR with MNR (10 years)
- N-3 (Off Ford Island Landfill and Camel Refurbishing Area) - ENR
- N-4 (Bishop Point) - ENR
- E-2 (Off Waiau Power Plant) - Focused Dredging with MNR (10 years)
- E-3 (Aiea Bay) - MNR (10 Years)

The remediation footprint, in various areas, for different technologies have been refined based on data collected in a 2017 field investigation. Dredge volumes have been reduced from 24,000 cubic yards (cys) to 18,000 cys for SE-1 and 7,800 cys to 4,200 cys in areas off of E-2 in East Loch. Areas for ENR (placement of thin-layer of sand to enhance natural recovery) was reduced from 39 acres to 29 acres. Estimated total cost for the preferred remedial alternatives has been refined to \$49.3 million from the original \$60.6 million cost.

The Draft Final ROD (dated January 2018) included the results of the additional remedial design field investigation. It was submitted for review by regulatory agencies including EPA's Administrator, National Remedy Review Board, and Contaminated Sediments Technical Advisory Group.

Drafts of the Basis of Design and 30% Design Drawings (dated June 2018) were submitted for review by the internal Navy technical team, legal, and regulatory partners.

The Navy continues the under-pier Treatability Study (TS) in SE-1 to evaluate the effectiveness of activated carbon amendment. The progress of the TS has been monitored by EPA and DOH.

The Navy continues to work with EPA and DOH to ensure that the communications with Hawaiian Electric Company (HECO), as the potentially responsible party, continue to progress for the Waiiau Power Plant final remedies. In February 2018, HECO submitted an Upland PCB Source Control Action Plan for their Waiiau Generating Station Source Control for Decision Unit E-2 for regulatory review.

***Former Aiea Laundry Facility, PHNC***

The Remedial Investigation/Feasibility Study for this site has focused on four principal investigation areas:

1. (i.e., the "Laundry Area"): a paved 1.25-acre parcel that was the location of a former Navy laundry;
2. St. Elizabeth Church and School property: borders the Laundry Area to the north;
3. Backyard Area: a 2-acre partly paved, partly grassy Navy-owned open lot bordering the Laundry Area to the northeast;
4. Nearshore Area/Intertidal Zone: area along Pearl Harbor's Aiea Bay shoreline, a mostly open-space area approximately 1,300 feet southwest of the Laundry Area.

The Laundry Area is currently used as a parking lot by the St. Elizabeth Church and School, an active institution. The Backyard Area is currently unused, and the Nearshore Area/Intertidal Zone is used for recreation. Contamination was found in groundwater and soil vapor; off-site migration has occurred.

The impact to groundwater is within an acceptable risk range and contamination is being attenuated in the environment. No remedy is necessary to protect human health and the environment since the groundwater is non-potable, detected contamination is at levels that do not pose an ecological risk, and the human health risk assessment did not identify any unacceptable risks to current or future receptors. Groundwater data show that contaminants are being degraded onsite. Groundwater monitoring will be conducted periodically to confirm that the reduction in contaminant concentrations continues.

Risks associated with soil gas is acceptable at the site and off-site areas (i.e., St. Elizabeth Church and School). Based on the Treatability Study, the soil vapor extraction system is effective in managing the contaminant migration toward the St. Elizabeth Church and School and is reducing contaminant mass in both the Laundry Area and the Backyard Area. Further action was recommended to address soil vapor at the Laundry Area and the Backyard Area for potentially unacceptable risk to a future hypothetical residential scenario should vapor intrusion occur. The preferred remedial alternative, identified in the Feasibility Study evaluation and to be presented for public comment in a Proposed Plan and Restoration Advisory Board meeting, is Targeted Soil Vapor Extraction, Monitoring, and LUCs.

The Remedial Investigation/Feasibility Study was finalized in Sept 2017.

The Draft Proposed Plan (dated June 2018) was submitted for review by the internal Navy technical team, legal, and regulatory partners.

***Old Naval Radio Transmitting Facility (NRTF) Landfill, Lualualei Annex***

Historically, the NRTF Lualualei area had been used for Naval communications; the site had several communication antennas. From the early 1940s through mid-1983, the Old NRTF landfill was the main disposal area for a portion of the Lualualei Annex. The waste generated and disposed of at the landfill was basically inert construction debris such as burnt waste, metal and plastic pipes, telecom cables and wires, auto parts, wood debris, beverage bottles and cans and ceramic cups and plates but asbestos-containing material were also observed.

In January 2010 and December 2012, a Remedial Investigation was conducted at the site. Soil and groundwater samples were collected and analyzed. It was determined that PCBs and dioxins were the main chemicals of concern in surface and subsurface soils at the landfill. For subsurface soils, other contaminants of concern were metals (chromium, arsenic and lead), polynuclear aromatic hydrocarbons and total petroleum hydrocarbons. Arsenic and chromium were the only contaminants of concern for groundwater, but they were in concentrations below the HDOH Tier 1 EALs and more than likely associated with background conditions. It was revealed in the Remedial Investigation that both surface and subsurface soils may be unsafe for site users and construction workers and therefore a Time-Critical Removal Action (TCRA) was performed in 2013. A two-foot thick evapotranspirative soil cover was placed on the portion of the landfill that was deemed potentially unsafe. Signs were posted around the soil covering to indicate that contamination is still beneath the soil and that excavation or removal of soil is prohibited. A Feasibility Study (FS) was prepared in 2014. In 2015, the Proposed Plan for the site was presented to the public for comments. The preferred remedy that had been recommended from the FS was then selected. It was determined that LUCs would be the preferred remedy for the landfill. Access to the area is by permission only. Other LUCs to be put in place include well-decommissioning for three of the existing monitoring wells, periodic inspections and maintenance of the evapotranspirative soil cover, and five-year reviews. A Remedial Action Work Plan (RAWP) to implement the selected remedy was reviewed by HDOH in February of 2018 and the final Record of Decision (ROD) was completed and signed in March 2018. The draft Remedial Action Completion Report for the Old NRTF Landfill was submitted by the Navy for HDOH's review in August 2018.

### **State Oversight of Federal Facilities Non-National Priorities List:**

#### ***The Salvage Yard at Kaneohe, MCBH***

In the 1940s and 1950s, the main Salvage Yard was created by coral dredge filling. This site was used mainly to store construction and building materials such as metal rebar, pipes, concrete, and wood but transformers and waste drums were stored here as well. As part of an ongoing CERCLA investigation for the Salvage Yard Site (Salvage Yard, the boat storage area, the wetlands, and the near shore sediments adjacent to the wetlands), fish and sediment sampling was

conducted at the Fuel Pier and Marina Area. Preliminary results showed that PCBs were detected above the EPA and the HDOH screening values, indicated that health risks might exist and therefore, further investigation is required. The Navy is preparing a draft supplemental sampling work plan for the Salvage Yard to address further investigation and delineation of PCB-impacted soil, sediment, and fish tissue. The additional sampling data will also help in completing a risk assessment to evaluate possible impact to human health and the environment and to determine whether a long-term Fish Advisory is necessary.

In the interim, HDOH has issued an Interim Fish Advisory warning about the potential health risk posed by the PCBs. In cooperation with HDOH, MCBH issued a Catch and Release Fishing Restriction that is in effect for the shoreline and open water near the Salvage Yard as an interim measure. Several posted signs instruct people to refrain from consuming fish or shellfish obtained from these areas. The Catch and Release Fishing Restriction provides a safeguard for the recreational fisher that may frequent the areas in question.

A primary source of contamination was more than likely, PCB-containing dielectric fluids that had leaked and spilled from these electrical transformers. During FY18, seven Sites had Records of Decision (RODs), proposed plans (PP) or Decision Documents (DDs) signed or prepared.

#### ***Sites with RODs/DDs/PP***

1. JBPHH, Lualualei Annex, Old NRTF Landfill (ROD finalized)
2. JBPHH, Lualualei Annex, Old Coral Pit (draft final ROD reviewed)
3. JBPHH, Pearl Harbor Sediment (draft final ROD reviewed)
4. JBPHH, PHNC, Underwater Munitions NDSA (draft DD reviewed)
5. JBPHH, Bishop Point, Area Near Former Underground Storage Tank BP-1 (draft ROD reviewed)
6. MCBH, Transformers F-678 and 678 (Electrical Shop) (draft DD and Draft PP reviewed)
7. Former NAS Barbers Point, Ordy Pond (DD finalized)
8. One other Site was given a No Further Action Determination:
9. JBPHH, Shipyard Geographic Study Area, Area North of Building 1754

**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. The majority of the MMRP sites currently under investigation in the State are part of the FUDS program (37 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 (120,000+ acres), with a cost of over \$700 million to complete. The annual operating budget for the Waikoloa Maneuver Area is \$10 million; it will take decades to complete. The site is sectioned into 22 different areas/sectors. Within the State of Hawaii, the HEER Office provides regulatory oversight for all US Army Corps of Engineers FUDS projects. During the past year, work was performed in the following areas: Sector 15, Sector 17, Area BOQJ-Cleared, Area D, Area M, Area N, and Area P.

Many uncleared portions of the Waikoloa Maneuver Area have already been developed, which has compounded the difficulties faced by the US Army Corps of Engineers in their clean-up process.

Additionally, the current technology used is incapable of identifying 100% of the unexploded ordnance (UXO) for removal and disposal, therefore, even previously “cleared” sites have a residual risk of UXO exposure. In December 2017, the HEER Office completed a Draft Areawide Environmental Hazard Management Plan (AEHMP) for the Waikoloa Maneuver Area to provide guidance for UXO safety during ongoing and future development activities. If successful, the AEHMP model for managing residual risk from UXO at FUDS may be expanded State-wide.

This year, the HEER Office worked with the US Army Corps of Engineers, the County of Hawaii, and private stakeholders to “parcel-out” several “high-priority” properties within Area P of the Waikoloa Maneuver Area for accelerated site closure. These sites were selected because they have planned or existing affordable housing developments which were facing financing delays from

the U.S. Department of Housing and Urban Development (HUD). HUD policies enacted in 2015, require the HDOH to provide a site closure letter before new ground-disturbing activities are allowed on HUD-assisted properties in the Waikoloa Maneuver Area. The US Army Corps of Engineers completed investigations on four of six selected properties and is preparing Remedial Action Reports (RARs) for those sites. Upon approval, the HEER Office intends to issue a No Further Action with Institutional Controls (NFA w/I/Cs) Letter, based on the findings of those RARs and stipulating compliance with the AEHMP, to meet the new HUD requirements.

In May 2018, the HEER Office met with the Hawaii Public Housing Authority and the US Army Corps of Engineers to discuss the new additional HUD requirements that specifically impact the existing Ke Kumu Public Housing subdivision in Waikoloa Village (part of Area P). Cooperatively, all of the agencies made plans to conduct public outreach to residents of the subdivision, and to conduct neighborhood evacuations necessary to allow the US Army Corps of Engineers to complete the investigation of the Ke Kumu parcels, by the deadline issued by HUD.

**Pu’u Pa’a**

The 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 and April 2018, the HEER Office met with representatives of the property owner, Parker Ranch Inc., and the US Army Garrison-Hawaii to discuss the recently prepared Draft RI/FS and concerns about the activities of the current tenant at the property. The tenant, a goat farmer, had encountered 14 suspected UXO items between July and November of 2017 while installing a fencing within the property boundaries. In March of 2018, the HEER Office requested a Time Critical Response Action (TCRA) to address this portion of the property used by the tenant, as well as modifications to the Remediation Alternatives presented in the Draft RI/FS. The HEER Office is currently awaiting a response from the US Army Corps of Engineers. Meanwhile, the US Army Corps of Engineers agreed to provide UXO Construction Support to the tenant, through a contract with the US Army Corps of Engineers.

### ***Oahu Target Islands***

In March 2018, the HEER Office participated in the US Army Corps of Engineers' Systematic Project Planning (SPP) Meeting for the Oahu Target Islands FUDS, located between Kahuku and La'ie on the north shore of Oahu. Underwater UXO remediation was scheduled for the summer of 2018, however, due to project delays, it was subsequently rescheduled to begin in late spring 2019.

### ***He'eia Kea***

In March 2018, the US Army Corps of Engineers presented to the HEER Office, data from the recently completed RI of the former He'eia Kea Training Area FUDS. The project included a test of new Advanced Geophysical Classification (AGC) technology in a small area of the site.

### ***Public Outreach and Interim Risk Management (IRM) Education***

Throughout the year, the HEER Office participated in well over a dozen Public Outreach events sponsored by the US Army Corps of Engineers on Hawaii Island. These outreach programs are conducted at elementary schools as well as public events (such as festivals and farmers' markets) where the US Army Corps of Engineers spreads their "3Rs of UXO Safety: Recognize, Retreat, and Report" message. The HDOH presence at these events reinforces the message to the public that the State of Hawaii and the Department of Defense are working together for their safety. The HEER Office has also been working with the US Army Corps of Engineers' IRM group on Maui and Oahu, to help design signage and work with the County governments and other stakeholders to determine the optimal placement of signs to communicate the 3Rs safety message.

In April 2018, HEER staff (Paul Chong and Steve Mow) published the following article related to UXO Education in the Hawai'i Journal of Medicine & Public Health "Recognize, Retreat, and Report: Education and Community Partnerships Essential to Injury Prevention from Unexploded Ordnance across Hawaii's WWII training Grounds".

### ***Unexploded Ordnance Training***

On March 27 and 28, 2018, the HEER Office sponsored its first UXO Munitions Response Training at our new facility on Waimano Home Road in Pearl City. The training was well attended by Department of Defense (Navy, National Guard, US Army Corps of Engineers Project Managers), Housing and Urban Development, Department of Hawaiian Homelands, and HDOH staff. The HEER Office

contracted Mr. Jeff Swanson, an MMRP expert who works with the Colorado Department of Public Health and Environment, and Mr. David Wright, a specialist in AGC technology, to provide the two-day training. The training addressed Fundamentals of UXO Technology, Munitions Risk Assessment and Risk Management, the Life-Cycle of Munitions Response Projects, Munitions Conceptual Site Models, the use of the Visual Sample Plan (VSP) software tool for designing a Munitions Response, and Quality Assurance Project Planning and Regulatory Oversight. The training was well received by all participants. The HEER Office plans to post a video of the training on their website.

### ***Exploring New Technology***

As previously mentioned, the US Army Corps of Engineers performed a limited test of AGC technology at the former He'eia Kea Combat Training site in early 2017. This technology is promising because it is capable identifying buried UXO items without having to dig them up, by comparing the electromagnetic signal measurements to a library of measurements from known objects. The technology is designed to save money on projects by reducing the number of digs at a site. However, AGC has limited applications in areas of dense metallic debris, difficult terrain, and soil with high iron content – all of which are often found at Hawaii MMRP sites. In May 2018, the HEER Office met with members of the US Army Corps of Engineers and AGC specialists Mr. David Wright and Mr. Craig Murray to discuss a test of AGC at two sectors within the Waikoloa Maneuver Area (Area BOQJ-Cleared and Area D) in the next fiscal year.

### ***Development of Other Programmatic Approaches to Managing Areawide Contamination Across the State***

Two Areawide EHMPs have been completed in areas on the Oahu and Maui. The Interim Final Kahului Harbor EHMP was completed in June 2018. The Factory Street Area-Wide EHMP was completed in January 2018.

### ***Petroleum Oil Terminal Environmental Hazard Management Plans (EHMPs)***

Because the UST Section of the SHWB only regulates UST and not ASTs, the HEER Office manages active fuel terminal sites to investigate previous and current releases. Two of the terminal sites in Honolulu are the Former Chevron Honolulu Terminal Marine (HTM) and the Former Shell Honolulu Terminal Site. The former transitioned in 2016 from Chevron to Island Energy Services (IES), LLC. The latter is currently operated by Aloha Petroleum. Both sites had releases over many

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years and are operating remedial systems. Chevron prepared a Remedial Endpoint Analysis for the HTM which is currently being revised after discussions with the HEER Office and seeks to stop active remediation but is operating under an approved EHMP. An EHE/EHMP has been prepared for the Former Shell Terminal but not approved due to data gaps in the Conceptual Site Model (CSM).

Interim site-specific EHMPs have also been drafted for former Chevron (Now Island Energy) petroleum oil terminals in Kahului Harbor on Maui, Hilo Harbor on Hawai'i Island, and at Port Allen on Kaua'i. Aloha Petroleum has also drafted Interim site-specific EHMPs for their terminals in Hilo, Hawai'i Island, in Kahului Harbor on Maui, and the Barber's Point on Oahu. The EHMPs serve as comprehensive summaries of all known soil and/or groundwater contamination issues at the terminal sites and provide details on plans for cleanup or management of oil contamination known. The EHMPs also provide an analysis of existing data gaps to be addressed in the future or as opportunity may allow. HEER anticipates periodic meetings with the three major oil companies to continue to update/revise and fill data gaps identified in the initial Interim EHMPs for these facilities.

### ***Industrial Harbor Areas and Hazard Characterization/ Pollution Pathways Data Compilation and Mapping***

In FY2018, the HEER Office worked on the improvement of a database summary and GIS mapping initiative focused on industrial harbor areas, started in 2016-2017. The goal of this project is to provide a useful management and planning tool that addresses known/historic contamination details, the presence of large chemical storage tanks and transport pipelines, as well as various potential pathways for spilled or leaked chemical to travel "offsite" from facilities or to the ocean. Kahului Harbor was chosen to develop a model that could then be applied to the other harbors in the state. The Kahului Harbor GIS map was finalized and the Hilo Harbor Map is underway. These maps will be used together to manage environmental hazards and provide safe digging guidelines to utility companies and others who may be digging in public rights-of-way or on private easements in the harbors and encounter contaminated soils or groundwater.

### ***Brownfields Redevelopment Program***

A Brownfields property is defined as any real property that is contaminated or potentially contaminated whose redevelopment is hampered because of the

contamination or perceived contamination. In support of the EPA Brownfields Program the HEER Office provides resources and technical assistance to Brownfields grantees and applicants in the assessment and cleanup of contaminated properties for redevelopment. In 2018, HEER Office provided technical support to the following Brownfields grants awardees:

- a) The City and County Transit Oriented Development as 2018 recipient of \$300,000 Brownfields Assessment Grant.
- b) Honolulu Authority for Rapid Transit as 2018 recipient of \$600,000 clean-up grant and \$300,000 assessment grant.
- c) Office of Hawaiian Affairs- recipient of 2016 Area Wide Assessment Grant, review of the final assessment and Analysis of Brownfields Cleanup Alternative for Kakaako Development.
- d) Liliha Civic Center as recipient of EPA Targeted Brownfields Assessment Grant. Department of Health, HEER Office applied for TBA grant on behalf of Department of Accounting and General Services to assess the Iwilei Liliha old railway station. This area is planned to be developed to mixed -used project consisting of multi-family affordable housing, office space/civic center, parking and other incidental uses.
- e) 630 Cooke Street – EAH a non-profit Housing Corporation is a 2017 TBA recipient to conduct site assessment at 630 Cooke Street. The parcel is slated to be developed to low income rental project. The HEER Office oversee the assessment and cleanup of the property.

### ***Brownfields Workshop***

The HEER Office conducts Brownfields Workshop in Oahu ones every two years, however, in an effort to reach out to the County level the HEER Office decided to conduct the Brownfields Workshop outside of Honolulu. On November 2, 2017, the First Hawaii County Brownfields Workshop was held in Hilo. Mayor Harry Kim gave an inspirational welcome address. The workshop was a success and well attended by Hawaii County elected officials and employees, state, private and non-profit land owners. Center for Creative Land Recycling presented various EPA Brownfields Grants available to state, county, non-profit and private land owners and developers for assessment and cleanup of contaminated

sites. Several contaminated and potentially contaminated sites were identified and prioritized for EPA Brownfields grants applications for the next Brownfields grant cycle.

The Brownfields workshops for County of Kauai and County of Maui are already in the planning stage. Meetings with County of Kauai and County of Maui government officials were conducted to inform them of the upcoming workshops.



Above: Deputy Director Keith Kawaoka, Mayor Harry Kim, Davis Bernstein, and Program Manager Fenix Grange at the Brownfields Workshop.

***Policy and Guidance Development***

Because HRS 128D requires private parties to investigate and clean up contamination under State oversight, having clear, understandable guidance on rapid, protective and cost-effective investigation and cleanup techniques is crucial. ERRF and SRP funded staff positions and expert consulting prepare state-of-the-art technical guidance for the investigation and cleanup of contaminated properties. The complete on-line Technical Guidance Manual is found at:

<http://www.hawaiidoh.org>

***HEER Office Technical Guidance Manual (TGM) Updates***

Updates to the on-line HEER Office Technical Guidance Manual (TGM) which provides direction to environmental consultants and other interested parties on strategies and methods for assessment, remediation, and closure of chemical release sites continued in FY16. Major updates to Sections 3, 4, 5, and 8 of the TGM

covering Decision Unit and Multi Increment sampling strategies and methods for soil and sediment as well as field screening methods for contaminants were posted on-line for stakeholder review and comment in January 2016, and revisions and additional guidance based on comments received were made in subsequent months. The final Section updates were scheduled for posting online in the fall of 2016. Plans were also made to work on updates to TGM Section 6 covering Groundwater Monitoring, as well as a new TGM Section on Environmental Risk Assessment for Nearshore Marine Environments in FY2017.

***Development of Ecological Risk Assessment Guidance for Hawai'i Coastal Environments***

In addition to a focus on human health, a primary goal of the HEER Office is to ensure that wildlife and the environment are protected from significant chemical hazards. Consequently, development of ecological risk assessment (ERA) guidance for chemical contamination in the near shore marine environment has been underway in recent years. In FY 2018, a draft section "Environmental Risk Assessment Guidance for Marine Coastal Environments" was completed and posted for public review and comment.

***Light Non-Aqueous Phase Liquid (LNAPL) Guidance***

A primary Goal for the HEER Office was the development of an LNAPL guidance. Currently, the TGM includes guidance on how to deal with some specific contaminants including Total Petroleum Hydrocarbons (TPH), but a detailed guidance on how to assess and remediate LNAPL is missing. The Draft LNAPL Guidance was completed in November 2017 in coordination with a known LNAPL subject matter expert. Since then the guidance has undergone internal review and posting to the public for commenting (July 2018). In the future these comments need to be responded to and the document needs to be revised to yield a final guidance. The guidances' focus was on providing guidance on the preparation of a comprehensive LNAPL conceptual site model (CSM) using easily obtainable (standard) data. The focus is on better data interpretation instead of collection more (potentially unnecessary data). This will lead to cost savings during assessment while providing a comprehensive picture of site conditions that will enable better targeting of LNAPL mass at the sites.

***In-House and Webinar Training (Available on YouTube)***

The HEER office webinar series was launched in 2015 to provide training to State, County and Federal Agencies along with the environmental consultant community to



develop a shared understanding of the latest scientific, technical, and policy development affecting cleanups in Hawai'i. The HEER Office also routinely works with these stakeholders as we update the Technical Guidance Manual for the Implementation of the Hawai'i State Contingency Plan (TGM). This fiscal year, HEER staff provided several training modules as seminars and Webinars to develop a shared stakeholder understanding of the latest scientific, technical, and policy development affecting cleanups in Hawai'i. Webinars were then broadcasted on HEER's YouTube channel. Some of the seminars/webinars were held by subject matter experts from the industry.

The following seminars/webinars were conducted. Webinar/Seminar material can be accessed via the following website:

<http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Webinar>

- August 2017- Discrete Soil Sample Reliability (USEPA Incremental Sampling Committee)
- September 2017- Tapwater Screening Levels For TPH-Related Metabolites.
- October 2017 – LNAPL Conceptual Site Models
- November 2017 -Multi-Increment Samples – Laboratory Processing
- November 2017 -TPH Forensics Workshop
- November 2017- EHE Webinar
- December 2017 – Use of ESLs and DU-MIS to Expedite Site Investigation and Remediation
- March 2018 – UXO Training Workshop (9 Parts)

These trainings were designed to increase the quality and compliance of environmental investigations submitted for regulatory review, allowing the HEER Office to provide streamlined oversight for trained consultants. By making them available online, we are able to reach a wider audience and gain much more regulatory consistency.

### ***Intensive redevelopment in Kakaako and surrounding Ala Moana Shopping Center***

Since the mid-1900s, land use in Kakaako has been classified as mixed light-industrial. Due to the importing of fill material and historic industrial uses such as service stations, auto-repair and dry cleaning, pockets of contamination in soil, groundwater and soil vapor may be present throughout the area. The most common

impacts are from petroleum, heavy metals and solvents. With many properties being redeveloped, contamination caused by these historic operations is being uncovered and needs to be evaluated to protect future users of the property.

The HEER Office continues to work closely with responsible parties that include developers and property owners in the Kakaako area to properly investigate, remediate and manage the contamination at several redevelopment sites.

### ***Community Involvement and Public Participation***

Identifying potential hazards in our communities and keeping the public informed about decisions and safe management of contaminated properties remains a key priority for the HEER Office. The HEER Office frequently partners with the USACE at public outreach events in the Waikoloa Maneuver Area to ensure the safety of residents as well as tourists visiting the area. The HEER Office, DLR, and the USACE have collaborated to design Interactive signs for other FUDS such as 'Ahihi Kina'u (Kanaheha Point). The signage incorporates historical and cultural information along with safety information to minimize the fear that traditionally comes with UXO safety signage.

### ***Interagency Program Support***

ERRF funded remedial project managers work directly with State and County agencies to identify contaminated properties they own or control, and then to provide advice and oversight for needed investigations, risk management activities and redevelopment planning efforts.

### ***Expert Consulting***

Using ERRF funding, the HEER Office makes strategic use of expert consultants under our Non-Emergency Services contract to assist with complex technical decision making on high priority sites, VRP sites, and properties with commingled contamination with multiple responsible parties. Consultant costs are cost recoverable for work under VRP, Fast Track, Voluntary Agreements, or Orders. On other projects, where investigations lead to identification of responsible parties, costs expended from the ERRF may also be cost recovered.

In FY2018, HEER used contract expertise to support technical decision making by remedial project managers on UXO and petroleum sites.

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## 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. Through the EPA Preliminary Assessment/Site Inspection (PA/SI) Program, nine additional sites have been identified for possible listing under CERCLA.

<b><u>List of EPA NPL Sites - FY2018</u></b>			
	<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

The following list of eight sites evaluated in Hawaii under the EPA PA/SI Program meet certain criteria for initial consideration for listing on the NPL. After careful review of site-specific data, and close coordination between the state and EPA, oversight for site cleanup of these properties has been transferred from the EPA to the HEER Office Hawaii State Response Program. These sites are no longer being considered for NPL listing.

<b><u>List of Sites Eligible for Possible Listing Under EPA CERCLA - FY2018</u></b>			
	<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	Kauai	Kekaha	Kekaha Sugar Mill
3	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road
4	Oahu	Honolulu	Kapalama Incinerator and Kapalama Incinerator Off Site Contamination
5	Molokai	West Molokai	Kalamaula Landfill
6	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond
7	Oahu	Kailua	Honolulu Skeet Club
8	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 response team during the fiscal year. The Release Notification Log is sorted in order of Island, Locality, and the Case Name.

The FY2018 Release Notification Log lists 488 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 330 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 258 cases requiring on-site visits or off-scene coordination. 48 cases were referred to other agencies.

#### HEER Office Emergency Response Actions - FY2018

<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>
488	330	158	On-site: 27 Off-site: 131	To HEER SDAR: 8 To Other Agencies: 48

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HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
1	Oahu	Strong pesticide odor	20170703-1030	Pesticide	Air
2	Oahu	5-gallon container abandon on HPD's Kapolei Station	20170703-1433	Unknown	Asphalt
3	Maui	MECO Pad-Mounted Transformer #5501 Release	20170703-1510	Mineral Oil/Transformer Oil	Concrete
4	Oahu	Diesel odor detected at UH Marine Center	20170706-0927	Diesel Oil/Marine Gas Oil	Air
5	Oahu	Island Energy Service (IES) refinery dirty diesel spill at Tank 111	20170706-1138	Diesel Oil/Marine Gas Oil	Coral
6	Oahu	Sheen of unknown source Honolulu Harbor Entrance Buoy #4	20170707-1955	Oil	Ocean
7	Oahu	Brown slick Ala Wai Canal	20170708-0850	Algae	Ocean
8	Oahu	Diesel spill from M/V Pocado Honolulu Harbor pier 1	20170708-0913	Diesel Oil/Marine Gas Oil	Ocean
9	Hawaii	Over turned boat Kailua Kona, potential of a release	20170709-1017	Gasoline, Lead, Liquid, Oil	Ocean
10	Oahu	HECO Pad-mounted Transformer #31356 Release	20170710-0824	Mineral Oil/Transformer Oil	Soil
11	Oahu	HECO Pad-mounted Transformer #52734 Release	20170710-0825	Mineral Oil/Transformer Oil	Concrete
12	Oahu	HECO Pad-mounted Transformer #72792 Release	20170710-0826	Mineral Oil/Transformer Oil	Soil
13	Oahu	HECO Pad-mounted Transformer #65783 Release	20170710-0827	Mineral Oil/Transformer Oil	Soil
14	Oahu	HECO Pole-mounted Transformer #80990 Release	20170710-0828	Mineral Oil/Transformer Oil	Soil
15	Oahu	3 transformers broke open when pole knocked down in Waimanalo	20170710-1359	Mineral Oil/Transformer Oil	Vegetation
16	Oahu	White stains on mountain water fall in Kahaluu, Oahu	20170711-0728	Natural Deposit	Stream
17	Maui	Container of red Phosphorus found in chemistry lab	20170711-1546	Container	Within Facility
18	Oahu	Ala Wai Unknown Sheen	20170712-0721	Oil	Ocean
19	Oahu	F/V Moana Sinking	20170712-1741	Diesel Oil/Marine Gas Oil	Ocean
20	Oahu	Grace Pacific Diesel Fuel Truck Supply Dispenser Release	20170713-0810	Diesel Oil/Marine Gas Oil	Soil
21	Oahu	LMTV engine oil release	20170717-1052	Lube Oil/Motor Oil	Asphalt
22	Oahu	Grace Pacific Makakilo Quarry	20170717-1244	Hydraulic Oil	Gravel
23	Oahu	Tripoli Road Fugitive Containers II	20170717-1352	Unlisted hazardous wastes	Drum/Container
24	Oahu	American Contender overfill release	20170720-0855	Diesel Oil/Marine Gas Oil	Ocean
25	Kauai	Tar ball on rocks in Mahaulepu, Poipu	20170721-0910	Oil	Other
26	Oahu	Discovery Bay Condo #2617 complaint	20170724-0920	Bio Hazard	Other
27	Oahu	HECO Pole-mounted Transformer #67008 Release	20170727-0953	Mineral Oil/Transformer Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

<b>HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018</b>					
	<b><u>Island</u></b>	<b><u>Unit Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substances</u></b>	<b><u>Media</u></b>
28	Oahu	HECO Pad-mounted Transformer #57259 Release	20170727-1556	Vegetable Oil/Transformer Oil	Soil
29	Oahu	Possible Oil and Chemical Dumping at an Auto Repair Shop	20170728-0100	Other	Storm Drain
30	Oahu	3 drums dumped Kaukonahua Road Wailua	20170728-1140	Unknown	Vegetation
31	Hawaii	Fire Suppressant Released in Mauna Kea Control Room	20170728-1415	Gas	Air
32	Oahu	Toilet Seat Concerns	20170731-1600	Other	Other
33	Kauai	Possible Pollution from a Beached Vessel	20170801-0945	Diesel Oil	Ocean
34	Hawaii	Black Slick in Honokahau Harbor	20170801-1503	Oil	Ocean
35	Oahu	Green Substance Washing Up on Makaha Beach	20170801-1908	Liquid	Ocean
36	Kauai	Diesel Spill from Truck in Princeville	20170802-1119	Diesel Oil/Marine Gas Oil	Storm Drain
37	Oahu	Abandoned Perc Drums	20170803-1330	Perchloroethylene	Drum/Container
38	Oahu	Potential Spill from Grounded Vessel	20170803-1947	Diesel Oil/Marine Gas Oil	Ocean
39	Oahu	Unknown Sheen in Ala Wai Small Boat Harbor	20170804-1527	Unknown	Ocean
40	Hawaii	Unknown Sheen in Honokohau Bay	20170807-0746	Unknown	Ocean
41	Oahu	Boat fire at Waikiki Yacht Club	20170808-1015	Diesel Oil	Ocean
42	Oahu	Island Energy Service's (IES) mooring hose release	20170809-1148	Diesel Oil/Marine Gas Oil	Ocean
43	Oahu	UH Marine Center @ Pier 35 accidental hazardous waste generation	20170809-1156	Lead	Soil
44	Oahu	HECO Transformer # 66054	20170809-1528	Mineral Oil/Transformer Oil	Soil
45	Oahu	Army's LSV2 "Harold A. Clinger" hydraulic oil spill	20170810-0924	Hydraulic Oil	Ocean
46	Oahu	Brown sheen Honolulu Harbor Pier 16	20170810-1208	Oil	Ocean
47	Oahu	Sharon's Plant Nursery warehouse fire	20170811-0303	Liquid	Soil
48	Oahu	Hot Load detected @ HPOWER	20170812-1005	Radionuclides (including radon)	Trash Truck
49	Molokai	P/C Coquette HA3156B Aground	20170814-0652	Oil	Ocean
50	Oahu	Pipeline Repair Release	20170814-1215	Diesel Oil/Marine Gas Oil	Ocean
51	Kauai	Aloha Petroleum LLC, Nawiliwili Terminal Hazardous Waste Contingency Plan - Not a Release	20170815-0507	Other	Within Facility
52	Oahu	Black Hawk Down Kaena Point	20170816-0900	Oil	Ocean
53	Oahu	HECO Transformer # 71429 Release	20170816-1826	Mineral Oil/Transformer Oil	Soil
54	Maui	Aloha Petroleum LLC, Kahului Terminal Hazardous Waste Contingency Plan - Not a Release	20170816-1853	Oil	Within Facility

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
55	Oahu	Overuse of weed whackers	20170817-0547	Odor	Air
56	Oahu	Concern from a City and County of Honolulu Pipeline Project	20170817-0608	Dust	Air
57	Oahu	Ala Wai Small Boat Harbor Mystery Sheen	20170817-1008	Oil	Ocean
58	Oahu	Honolulu Disposal Truck Hydraulic Fluid Release	20170817-1134	Hydraulic Oil	Asphalt
59	Maui	E-Cig Forced Emergency Landing of Plane	20170821-0020	Other	Other
60	Hawaii	HELCO Release Transformer #15201	20170821-1150	Mineral Oil/Transformer Oil	Soil
61	Oahu	Slop Line Release at Pearl Harbor	20170821-1631	Oily Water Mixture	Soil
62	Maui	MECO Leak Transformer #7599	20170822-1110	Mineral Oil/Transformer Oil	Drum/Container
63	Maui	Sheen Reported in Lahaina Harbor	20170822-1732	Unknown	Ocean
64	Oahu	Fiberglass Dust at Keehi Lagoon	20170823-0750	Powder	Air
65	Hawaii	Overfilled Vessel Spill	20170823-0751	Gasoline	Ocean
66	Maui	Diesel Release from Cruise Line	20170823-1035	Diesel Oil/Marine Gas Oil	Ocean
67	Maui	Island Energy (IES) Spill in Kahului Harbor Drill	20170823-1202	Diesel Oil/Marine Gas Oil	Ocean
68	Oahu	Waiau Power Plant Release Drill	20170824-0740	Diesel Oil/Marine Gas Oil	Ocean
69	Maui	Maui Costco Freon Release	20170824-0745	Gas	Air
70	Oahu	Honolulu Wood Treating Mineral Release	20170824-1240	Mineral Oil/Transformer Oil	Soil
71	Kauai	Drum off Shore Possibly Leaking	20170824-1308	Unknown	Ocean
72	Oahu	Fuel Spill of Pier 21, Honolulu Harbor	20170824-1407	Diesel Oil/Marine Gas Oil	Ocean
73	Oahu	Potential Release from a Sinking Vessel	20170825-0755	Diesel Oil/Marine Gas Oil	Ocean
74	Kauai	Hartung Brothers Diesel Spill Kauai	20170825-1327	Diesel Oil/Marine Gas Oil	Soil
75	Maui	Transformer Oil Spill at HC&S Plantation due to Vandalism	20170825-1525	Mineral Oil/Transformer Oil	Soil
76	Oahu	Wheeler Airfield Hydraulic Spill	20170825-1851	Hydraulic Oil	Soil
77	Oahu	Vegetable Oil Release in Pearl Harbor	20170825-1919	Edible/Vegetable Oil	Ocean
78	Oahu	Strange Odor Coming from Storm drains in Hawaii Kai	20170825-2318	Odor	Storm Drain
79	Hawaii	Used cooking oil IMO tanker roll over @ Ka'awalii Gulch Hawaii	20170828-1050	Liquid	Vegetation
80	Oahu	Sheen @ Ala Wai boat harbor around slip 43	20170828-1101	Oil	Ocean
81	Oahu	Release from HECO Transformer #57259	20170828-1316	Mineral Oil/Transformer Oil	Soil
82	Oahu	HECO Spill Transformer No. 66054	20170828-1317	Mineral Oil/Transformer Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

<b>HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018</b>					
<b>Island</b>	<b>Unit Name</b>	<b>Case Number</b>	<b>Substances</b>	<b>Media</b>	
83	Oahu	Trash truck rupture hydraulic fluid line @ Hickam	20170829-1219	Hydraulic Oil	Asphalt
84	Oahu	Dead Fish at Ala Moana Beach Park ponds	20170830-1020	Other	Stream
85	Oahu	Sample disposal	20170831-0800	Other	Within Facility
86	Oahu	HECO Release Transformer #31356	20170831-1011	Mineral Oil/Transformer Oil	Soil
87	Oahu	Hydraulic oil release Grace Pacific @ Makakilo Quarry	20170901-1109	Hydraulic Oil	Within Facility
88	Hawaii	Propane delivery truck on fire due to M/V accident	20170902-1855	Gas	Air
89	Oahu	Sheen at Honolulu Harbor piers 9 & 10	20170903-0640	Oil	Ocean
90	Oahu	Acid dumped on road	20170904-1038	Liquid	Storm Drain
91	Hawaii	Hawaii Harbor Constructors JV landside crane hammer hydraulic	20170905-0237	Hydraulic Oil	Ocean
92	Oahu	HECO Release Transformer #54712	20170906-0825	Mineral Oil/Transformer Oil	Storm Drain
93	Oahu	HECO Release Transformer #79327	20170906-0826	Mineral Oil/Transformer Oil	Soil
94	Oahu	Exhaust Odors in building Pensacola and Kona	20170906-0830	Odor	Air
95	Oahu	Pesticide odor	20170906-1600	Liquid	Air
96	Oahu	Fuel sheen @ H buoy Honolulu Harbor	20170907-0226	Oil	Ocean
97	Oahu	Matson crane lube oil spill	20170907-1048	Lube Oil/Motor Oil	Ocean
98	Maui	MECO Release Transformer #14493	20170908-1052	Mineral Oil/Transformer Oil	Concrete
99	Maui	MECO Release Transformer # 17559	20170912-1440	Mineral Oil/Transformer Oil	Soil
100	Oahu	Drill Vessel Run Aground at Diamond Head Drill	20170914-0757	Diesel Oil/Marine Gas Oil	Ocean
101	Oahu	Hydraulic Oil Release by USCG Base Pier B	20170914-1138	Hydraulic Oil	Ocean
102	Oahu	Hawaiian Airlines Gate 28 Diesel Spill	20170914-1544	Diesel Oil/Marine Gas Oil	Impermeable Surface
103	Oahu	Hydraulic Hose Leak at Pier 3 Pearl Harbor	20170915-1153	Hydraulic Oil	Ocean
104	Oahu	Leak Under Pier S9 in Pearl Harbor	20170915-1308	Oily Water Mixture	Ocean
105	Oahu	Propane Leak on Ford Island	20170915-1500	Gas	Air
106	Hawaii	R/V Kamaliaoha	20170918-0758	Diesel Fuel	Ocean
107	Hawaii	22' F/V capsized potential gasoline release	20170918-0817	Gasoline	Ocean
108	Maui	Hawaii Commercial & Sugar Company transformer spill	20170918-1637	Mineral Oil/Transformer Oil	Soil
109	Oahu	Noxious Smell Report from Sewer Pipe Rehabilitation	20170919-1213	Odor	Air

## HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
110	Hawaii	Unknown Sheen Hilo Harbor	20170920-0657	Gasoline	Ocean
111	Hawaii	Two fugitive 55-gallon drums	20170921-1130	Edible/Vegetable Oil	Soil
112	Oahu	Oil sheen Pearl Harbor Bravo 15 pier	20170923-1113	Oil	Ocean
113	Oahu	Unknown Sheen Spotted in Pearl Harbor	20170925-0745	Unknown	Ocean
114	Oahu	UST Discovered at Construction Site	20170925-1442	Unknown	Groundwater
115	Oahu	HECO Transformer No. 13918	20170925-1638	Mineral Oil/Transformer Oil	Soil
116	Oahu	Factory Street Lead	20170926-0800	Lead	Soil
117	Oahu	Pole Transformer Release After Vehicle Accident	20170926-2115	Mineral Oil/Transformer Oil	Soil
118	Hawaii	Hawaii Petroleum Spill	20170928-1006	Diesel Oil/Marine Gas Oil	Ocean
119	Maui	MECO Transformer No. 8438	20170928-1014	Mineral Oil/Transformer Oil	Soil
120	Maui	Potential Spill from Grounded Vessel	20170928-1854	Diesel Oil/Marine Gas Oil	Ocean
121	Oahu	Small Diesel Spill at Pier A5 Pearl Harbor	20170929-0902	Diesel Oil/Marine Gas Oil	Ocean
122	Maui	MECO Transformer # 20583 Release	20170929-1010	Mineral Oil/Transformer Oil	Soil
123	Oahu	Ala Wai Unknown Sheen, unknown source	20171001-1035	Oil	Ocean
124	Oahu	Paint Spill in Pearl Harbor	20171001-2044	Liquid	Ocean
125	Maui	MECO Transformer # 9399 Release	20171002-1004	Mineral Oil/Transformer Oil	Soil
126	Oahu	Copper Green Application	20171002-1014	Odor	Air
127	Oahu	Contaminated Soil Discovery During Sub Surface investigation	20171002-1521	Gasoline	Soil
128	Oahu	Tar in water	20171002-1700	Oil	Sand
129	Oahu	USCG Cutter Sherman Sewage Spill	20171003-1000	Sewage	Ocean
130	Maui	MECO Transformer # 15318 Release	20171005-1222	Mineral Oil/Transformer Oil	Concrete
131	Maui	MECO Transformer # 12753 Release	20171005-1310	Mineral Oil/Transformer Oil	Concrete
132	Maui	Repossession of former HC&S Sugar Mill vehicles & cleanup	20171006-0853	Oil	Soil
133	Oahu	Fishing boat "Pacific Paradise" grounding Kaimana Beach, Waikiki	20171011-0043	Container, Diesel Oil/Marine Gas Oil, Hydraulic Oil, Lube Oil/Motor Oil	Ocean
134	Maui	MECO Transformer Nos. 26400, 26401, 26402 Releases	20171017-1300	Mineral Oil/Transformer Oil	Soil
135	Oahu	Sheen Honolulu Harbor Pier 18	20171018-0932	Oil	Ocean
136	Oahu	GTE Kailua Base yard	20171018-1446	Chlorobenzene	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
137	Oahu	HART Geotech Boring 536	20171019-1627	Oil	Soil
138	Oahu	Unknown Liquid at Koahi Street	20171020-1023	Liquid	Soil
139	Oahu	USCG Construction Vehicle Backhoe hydraulic oil release	20171020-1052	Hydraulic Oil	Soil
140	Oahu	USS William Lawrence unknown sheen	20171022-0730	Oil	Ocean
141	Maui	Big Beach fugitive drum	20171022-0845	Liquid	Ocean
142	Oahu	Horizon Reliance	20171022-1230	Hydraulic Oil	Ocean
143	Maui	Drum washed up in Makena Area	20171023-0756	Other	Ocean
144	Oahu	Potential discharge of lube Oil Off Shore	20171023-0757	Lube Oil/Motor Oil	Ocean
145	Maui	Vessel Tiara My Sue IV Aground	20171023-0758	Diesel Oil/Marine Gas Oil	Ocean
146	Oahu	Gasoline Spill at Coast Guard Base	20171023-0759	Gasoline	Concrete
147	Oahu	HECO Leak transformer #51967	20171023-1007	Mineral Oil/Transformer Oil	Soil
148	Hawaii	Drum Washed Ashore in South Point	20171023-1023	Liquid	Ocean
149	Hawaii	Abandoned Refrigerator	20171023-1500	Container	Drum/Container
150	Oahu	Silver Sheen Spotted in Boomed Area of Ford Island	20171023-1827	Unknown	Ocean
151	Oahu	Sunken vessel at Ala Wai Boat Harbor	20171024-0825	Diesel Oil/Marine Gas Oil	Ocean
152	Oahu	Sunken vessel at Keehi Lagoon	20171024-0826	Diesel Oil/Marine Gas Oil	Ocean
153	Oahu	Pollutants coming from Surf Board Makers Near Nursery	20171024-0858	Odor	Air
154	Maui	Drill Aloha Petroleum Pipe Line Leak Drill	20171024-1334	Diesel Oil/Marine Gas Oil	Soil
155	Maui	Vessel Sank in Keehi Lagoon	20171024-1524	Gasoline	Ocean
156	Hawaii	Potential Release from a Sinking Boat, Wailua Boat Basin	20171024-2104	Gasoline	Ocean
157	Oahu	Odd Smelling Water Coming from Pepsi Cola Factory and into storm drains	20171025-1324	Water	Storm Drain
158	Oahu	HECO Leak Transformer #62961	20171026-1012	Mineral Oil/Transformer Oil	Soil
159	Hawaii	HELCO Release Transformer #16034	20171026-1013	Mineral Oil/Transformer Oil	Soil
160	Oahu	HECO Release, Transformer #63476	20171026-1014	Mineral Oil/Transformer Oil	Soil
161	Oahu	HECO Leak, Transformer #59153	20171026-1015	Mineral Oil/Transformer Oil	Soil
162	Kauai	Drill Aloha Petroleum Kauai Spill	20171026-1217	Jet Fuel/Kerosene	Soil
163	Maui	Transformer oil release Kula, Maui	20171026-1325	Mineral Oil/Transformer Oil	Storm Drain
164	Oahu	Overfilled IMO tank oily water Pier 31	20171027-1020	Oil	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

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	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
165	Oahu	PENCO overfilled IMO tank oily water Pier 32	20171027-1052	Oily Water Mixture	Ocean
166	Oahu	Small Sheen Release from Dry Dock Pearl Harbor	20171028-0926	Used Oil	Ocean
167	Hawaii	Leaking Propane Tank	20171030-0124	Compressed Gas Cylinder	Air
168	Oahu	Grounded vessel "Papa Smurf" Portlock	20171030-1705	Diesel Oil	Coral
169	Molokai	Potential Sheen Spotted on Molokai Shore	20171030-1710	Liquid	Ocean
170	Oahu	Grounded sailboat Koa'e Kahala Beach	20171031-1455	Diesel Oil	Coral
171	Oahu	Vietnam Coast Guard ship diesel Spill	20171101-0925	Diesel Oil/Marine Gas Oil	Ocean
172	Oahu	UST Discovered at Aloha Stadium HART Rail Station	20171102-0824	Diesel Oil/Marine Gas Oil	Soil
173	Oahu	Former Perry's Smorgy Restaurant and Food Pantry TPH discovery Kuhio Avenue	20171103-0838	Diesel Oil/Marine Gas Oil, Gasoline, Oil	Gravel
174	Oahu	Honolulu Disposal Services trash truck hydraulic hose rupture	20171104-1613	Hydraulic Oil	Storm Drain
175	Oahu	Water main break @ Nimitz Highway Pier 35	20171105-1139	Oil	Ocean
176	Oahu	Muliwai Fish Kill	20171106-1525	Water	Stream
177	Oahu	Asphalt Seal Coat Release	20171107-1630	Asphalt/Creosote	Storm Drain
178	Oahu	Vietnamese Coast Guard Vessel Sewage Spill	20171109-2057	Sewage	Ocean
179	Oahu	Sheen Spotted from Vessel "Ocean Dream"	20171113-0849	Unknown	Ocean
180	Hawaii	Release from Pleasure Craft at Honokohau Harbor	20171114-1728	Diesel Oil/Marine Gas Oil	Ocean
181	Oahu	Lube Oil Release from Matson Haleakala	20171115-1858	Lube Oil/Motor Oil	Ocean
182	Oahu	Hydraulic oil release from the Hawaii Responder	20171116-1332	Hydraulic Oil	Ocean
183	Oahu	Pepsi Co Halawa diffusion tank Release	20171116-1414	Ammonia	Storm Drain
184	Oahu	HECO Transformer Leak Transformer #37394	20171117-1002	Mineral Oil/Transformer Oil	Soil
185	Oahu	White Substance behind Nimitz Center	20171117-1317	Water	Stream
186	Oahu	Strong Paint Thinner Smell in Neighborhood	20171117-1451	Liquid	Storm Drain
187	Oahu	SUV Crash in Stream	20171118-1758	Lube Oil/Motor Oil	Stream
188	Oahu	Hazardous Waste Area at Pier 17 Overflow	20171119-1418	Lube Oil/Motor Oil	Concrete
189	Maui	MECO Leak Transformer #17559	20171120-0026	Mineral Oil/Transformer Oil	Soil
190	Oahu	Large Battery Stolen and Tipped Over	20171120-0450	Liquid	Soil
191	Kauai	Substance sprayed by neighbor kills caller's vegetation @ 3084 Huali Street, Lihue	20171120-0830	Unknown	Vegetation

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

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192	Hawaii	HELCO Leaking Transformer #27271	20171120-1032	Mineral Oil/Transformer Oil	Soil
193	Maui	Boat sinks with fuel on board 1 mile outside of Lahaina Harbor	20171121-1415	Gasoline	Ocean
194	Hawaii	HELCO Leak Transformer #14109 Release	20171124-1449	Mineral Oil/Transformer Oil	Soil
195	Oahu	Release on Ship into hold	20171127-0756	Fuel Oil	Within Facility
196	Oahu	Unknown Sheen Pearl Harbor	20171127-1025	Oil	Ocean
197	Maui	Freon release Costco Maui	20171127-1029	Gas	Air
198	Hawaii	F/V Jane sinking	20171127-1301	Diesel Oil/Marine Gas Oil	Ocean
199	Oahu	Diesel Release from a Boiler Connection	20171128-0915	Diesel Oil/Marine Gas Oil	Storm Drain
200	Hawaii	Allegation of Stanley Steemer dumping wastewater on yard	20171128-1238	Wastewater	Soil
201	Kauai	Kapaa Blue Drum	20171129-1630	Water	Ocean
202	Hawaii	Drill HELCO Pipeline Drill	20171130-1030	Oil	Ocean
203	Maui	MECO Leaking Transformer #16228	20171201-1346	Mineral Oil/Transformer Oil	Soil
204	Oahu	HECO Leaking Transformer #73587	20171201-1348	Mineral Oil/Transformer Oil	Soil
205	Hawaii	Pleasure craft taking on water	20171204-0804	Oil	Ocean
206	Oahu	Sheen Spotted in Pearl Harbor	20171204-0825	Diesel Oil/Marine Gas Oil	Ocean
207	Oahu	Possible Pesticide Exposure on soccer field	20171204-1032	Liquid	Soil
208	Oahu	Garlow Petroleum Truck Spill	20171205-1017	Diesel Oil/Marine Gas Oil	Ocean
209	Hawaii	Potential spill from grounded vessel	20171205-1408	Diesel Oil/Marine Gas Oil	Ocean
210	Oahu	Diesel Spill at Slip 406 Ala Wai Small Boat Harbor	20171205-1526	Diesel Oil/Marine Gas Oil	Ocean
211	Oahu	Chlorinated rinse water spill Pearl Harbor B20 pier	20171211-0309	Liquid	Concrete
212	Hawaii	HELCO Leaking Transformer #17285	20171211-1236	Mineral Oil/Transformer Oil	Soil
213	Oahu	USCG Cutter Polar Star Release	20171212-1423	Oil	Ocean
214	Oahu	Fluorescein dye in stream	20171212-1608	Liquid	Stream
215	Oahu	Signature Flight Support fuel spill from filter system on truck	20171212-1651	Jet Fuel/Kerosene	Asphalt
216	Maui	MECO Transformer # 5919 release	20171213-1554	Mineral Oil/Transformer Oil	Concrete
217	Oahu	Signature Flight Support pipeline release @ Pier 51A	20171213-1926	Jet Fuel/Kerosene	Ocean
218	Oahu	HECO Transformer # 55625	20171215-1159	Mineral Oil/Transformer Oil	Soil
219	Oahu	Waste truck burning	20171215-1322	Liquid	Stream



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220	Oahu	Odor from Painting	20171217-0900	Odor	Air
221	Oahu	Sewage Release	20171218-0808	Sewage	Concrete
222	Kauai	Unknown object buried under sand	20171218-1321	Solid Waste	Sand
223	Oahu	Unknown sheen at Ala Wai	20171218-1600	Oil	Ocean
224	Oahu	OSV "HOS Renaissance" ran aground	20171219-0745	Diesel Oil/Marine Gas Oil	Ocean
225	Lanai	MECO Miki Basin Generating Station Unit LL8 Diesel Release	20171219-1000	Diesel Oil/Marine Gas Oil	Soil
226	Oahu	Unknown Oil Sheen	20171220-1225	Oil	Ocean
227	Oahu	Pier 28 Unknown Sheen	20171221-0958	Liquid	Ocean
228	Kauai	Jeep Wrangler Stuck in Sand	20171222-1520	Gasoline	Sand
229	Hawaii	Leaking HELCO Transformer# 16697	20171226-0745	Mineral Oil/Transformer Oil	Soil
230	Oahu	Rainbow Sheen Reported in Pearl Harbor Pier S14	20171226-0926	Unknown	Ocean
231	Oahu	Pearl Harbor Containment Boom Fail	20171226-1008	Unknown	Ocean
232	Hawaii	Roofing Material in Hilton Waikoloa's Lagoon	20171227-1350	Liquid	Ocean
233	Maui	MECO Transformer # 12746 Release	20171228-1020	Mineral Oil/Transformer Oil	Concrete
234	Hawaii	Diesel Spill on Highway in Hilo	20171229-1207	Diesel Oil/Marine Gas Oil	Concrete
235	Oahu	Car Crash with Fluids Leaking to storm drains	20180102-0849	Liquid	Storm Drain
236	Hawaii	Freon release Costco Kailua-Kona	20180103-1541	Gas	Air
237	Oahu	2 paint buckets dumped Tantalus Drive	20180104-0936	Container	Vegetation
238	Oahu	Par Refinery Hydrogen Sulfide release	20180105-0435	Hydrogen sulfide	Air
239	Oahu	HECO transformer # 13918 Kilohi Street	20180105-0959	Mineral Oil/Transformer Oil	Asphalt
240	Oahu	Sheen Ala Wai Boat Harbor from unknown source	20180106-0829	Oil	Ocean
241	Maui	Oil sheen spotted 6 N Miles off Maui	20180106-1147	Oil	Ocean
242	Oahu	Chemical odor from surfboard repair	20180106-1440	Odor	Air
243	Oahu	Sheen Ala Wai boat harbor slip 30	20180109-1119	Oil	Ocean
244	Oahu	Hydraulic Oil Release from Navy Vessel	20180109-1530	Hydraulic Oil	Ocean
245	Oahu	HECO Waiawa Pipeline Release	20180109-1915	Low Sulfur Fuel Oil (LSFO)	Soil
246	Oahu	Hydraulic Oil Spill in Palailai Landfill	20180110-0916	Hydraulic Oil	Asphalt
247	Oahu	Unknown Sheen at Pearl Harbor, Pier S9	20180110-0935	Unknown	Ocean
248	Oahu	Pier F9 Hydraulic Release	20180110-1135	Hydraulic Oil	Ocean

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249	Hawaii	Aloha Petroleum Hilo	20180110-1242	Gasoline	Within Facility
250	Oahu	Aloha Petroleum Nimitz Loading Rack	20180111-0700	Gasoline	Within Facility
251	Oahu	Alleged Tar Balls	20180111-1440	Water	Stream
252	Oahu	Pleasure Vessel Melekai Release Potential	20180112-1549	Diesel Oil/Marine Gas Oil	Ocean
253	Kauai	Young Brothers Kauai Antifreeze	20180112-1941	Ethylene glycol	Impermeable Surface
254	Oahu	False Alarm Ballistic Missile Threat	20180113-0807	Radionuclides (including radon)	Air
255	Oahu	Tar Balls in Waikiki	20180113-1313	Oil	Sand
256	Oahu	Hawaii Gas Pipeline Leak	20180114-1246	SNG	Air
257	Oahu	Sheen Pokai Bay	20180116-0812	Oil	Ocean
258	Oahu	Sheen Honolulu Harbor pier 17 & 18	20180116-1001	Oil	Other
259	Oahu	HECO leaking transformer # 30332	20180116-1442	Mineral Oil/Transformer Oil	Asphalt
260	Maui	Fuel spill Lahaina Harbor	20180116-1600	Diesel Oil/Marine Gas Oil	Ocean
261	Oahu	Sheen Waikiki Yacht Club	20180117-1626	Oil	Ocean
262	Oahu	Vacuum truck tank leaking Kapolei on ramp	20180118-1053	Liquid	Asphalt
263	Oahu	Hydraulic oil hose broke spraying oil onto house, cars, ground, vegetation, etc.	20180118-1330	Hydraulic Oil	Concrete
264	Oahu	Port-a-potty falls over pier side	20180118-1540	Liquid	Ocean
265	Oahu	Diesel sheen in storm drain Kapolei	20180119-1032	Diesel Oil/Marine Gas Oil	Storm Drain
266	Oahu	Bucket overfilled by rain spills oil into Pearl Harbor	20180120-1618	Oil	Ocean
267	Oahu	NOAA boat Hi lalakai residual oil on deck washed into water during rain event	20180120-1640	Hydraulic Oil	Ocean
268	Oahu	F/V B Sky spilled oil during bunkering operation	20180121-1402	Fuel Oil	Ocean
269	Kauai	Cylinder on Aliomanu Beach	20180122-1138	Compressed Gas Cylinder	Other
270	Oahu	Sewage Spill from USCG Vessel Walnut	20180122-1609	Sewage	Ocean
271	Oahu	930 Moelima Street Sewage Spill	20180123-1214	Sewage	Storm Drain
272	Oahu	Strong Chemical Smell in Neighborhood	20180123-1730	Malathion	Air
273	Oahu	Housing Waste and Garbage	20180124-1055	Odor	Other
274	Oahu	Unknown Sheen in Ala Wai Boat Harbor	20180125-0831	Unknown	Ocean
275	Oahu	Smell Complaints from Diesel Engines	20180125-0904	Gas	Air

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276	Oahu	Sheen Kalaeloa Harbor pier 5	20180125-1016	Oil	Ocean
277	Oahu	Mystery Sheen Seen by Pier 5 in Barber's Point	20180125-1100	Unknown	Ocean
278	Oahu	Fuel Coat Washed into Storm Drain in Kaneohe	20180125-1155	Liquid	Ocean
279	Oahu	Potential Release from Grounded Vessel	20180127-1935	Diesel Oil/Marine Gas Oil	Ocean
280	Kauai	Cruise Ship Dripped Paint into Harbor	20180127-2027	Paint (Oil-based)	Ocean
281	Oahu	Illegal Dumping of Motor Oil Drum Behind Kapolei Costco	20180128-1121	Lube Oil/Motor Oil	Soil
282	Maui	Potential Release from Grounded Vessel in Lahaina Harbor	20180129-0907	Gasoline	Ocean
283	Oahu	Makai Pier Unknown Compressed Gas Cylinder	20180129-1200	Compressed Gas Cylinder	Sand
284	Maui	Weeping MECO transformer Limahana Place, Lahaina	20180129-1234	Mineral Oil/Transformer Oil	Concrete
285	Oahu	Container Vessel Matsonia Lube Oil Release	20180130-2239	Lube Oil/Motor Oil	Ocean
286	Maui	Fugitive Dumping of Car Batteries	20180131-1257	Lead, Sulfuric acid	Within Facility
287	Oahu	Waipahu Fire Station Survey	20180201-0900	Radionuclides (including radon)	Within Facility
288	Oahu	Sheen observed in Ala Wai boat harbor	20180202-1238	Oil	Ocean
289	Maui	R/V The Trophy	20180203-0105	Oil	Ocean
290	Oahu	Norwegian Cruise Line Sulfuric Acid Release	20180203-0856	Sulfuric acid	Concrete
291	Oahu	Alleged freon release	20180205-0845	Compressed Gas Cylinder	Air
292	Oahu	JBPHH Fire Extinguisher Discharge	20180205-1620	Nitrogen dioxide	Air
293	Oahu	HART strong odors by Pearlridge	20180206-1200	Odor	Air
294	Oahu	Oil seeping into Heeia Stream on Waipao Valley	20180206-1300	Lube Oil/Motor Oil	Stream
295	Oahu	Hawaii Marine Cleaning	20180207-0936	Oily Water Mixture	Ocean
296	Oahu	R/V Loose Screw Sinking	20180207-1156	Gasoline	Ocean
297	Kauai	Chamber with Radium 226	20180207-1219	Radionuclides (including radon)	Air
298	Oahu	USCG Station Honolulu Oily water release	20180207-1622	Oily Water Mixture	Ocean
299	Oahu	F/V Lanikai Potential to Release	20180208-0806	Diesel Oil/Marine Gas Oil	Ocean
300	Oahu	Hawaiian Airlines former maintenance facility solvent release	20180209-1723	Liquid	Soil
301	Oahu	HECO Waiawa Diesel Pipeline Release	20180209-1915	Diesel Oil/Marine Gas Oil	Soil
302	Oahu	Hickam flight line 14" pipeline failed annual testing	20180212-1023	Fuel Oil	Groundwater
303	Oahu	Ford Island Pier F1 oily water spill	20180212-1208	Oily Water Mixture	Ocean
304	Oahu	Trash Bag with Black Oil Found off Pier	20180213-0000	Lube Oil/Motor Oil	Ocean

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305	Kauai	Abandoned acid containers Kauai Village shopping center	20180213-1043	Liquid	Asphalt
306	Oahu	Diesel spill UH Manoa maintenance facility	20180213-1258	Diesel Oil/Marine Gas Oil	Asphalt
307	Oahu	Mysterious sheen Ala Wai boat harbor	20180213-1742	Oil	Ocean
308	Oahu	F/V Kilauea fuel spill Honolulu Harbor Pier 38	20180215-1052	Diesel Oil/Marine Gas Oil	Ocean
309	Oahu	Sheen at Honolulu Harbor Pier 7 M/V Kulamanu	20180215-1823	Diesel Oil/Marine Gas Oil, Oil	Ocean
310	Oahu	Milky water discharge Kapalama Canal behind Nimitz Center	20180216-1006	Liquid	Ocean
311	Maui	MECO Release Transformer# 16771	20180216-1257	Mineral Oil/Transformer Oil	Soil
312	Hawaii	R/V Manta Ray Adventures fuel spill	20180216-1353	Diesel Oil/Marine Gas Oil	Ocean
313	Oahu	Honolulu Harbor Pier 51 diesel spill Yamashiro Trucking	20180217-1330	Diesel Oil/Marine Gas Oil	Ocean
314	Oahu	Diesel fuel spill Honolulu Harbor Pier 51	20180217-1351	Diesel Oil/Marine Gas Oil	Ocean
315	Maui	Bucket of chlorine tablets got wet	20180219-1650	Calcium hypochlorite	Drum/Container
316	Oahu	Hydraulic oil spill Honolulu Harbor pier 52 Matson M/V RJ Pfeiffer	20180219-2006	Hydraulic Oil	Ocean
317	Maui	MECO Transformer #9829 Release	20180220-1015	Mineral Oil/Transformer Oil	Soil
318	Oahu	42-250 Kalia Highway Diesel Release	20180220-1033	Diesel Oil/Marine Gas Oil	Within Facility
319	Maui	MECO Leaking Transformer #7120	20180220-1109	Mineral Oil/Transformer Oil	Soil
320	Oahu	Blocked Storm Drain	20180220-1847	Other	Storm Drain
321	Oahu	MCBH Flightline Jet Release	20180221-1525	Jet Fuel/Kerosene	Groundwater
322	Oahu	USCG Cutter Galveston Sand Island 30 - 40-gallon graywater spill	20180222-0745	Wastewater	Ocean
323	Oahu	Abandoned Cylinders	20180222-1153	Compressed Gas Cylinder	Drum/Container
324	Oahu	Fuel tank on Military Vehicle Punctured on Schofield	20180223-2015	Diesel Oil/Marine Gas Oil	Stream
325	Hawaii	Pot Hole in the Highway	20180224-1052	Other	Other
326	Oahu	Unknown Sheen in Pearl Harbor	20180224-1413	Unknown	Ocean
327	Oahu	Unknown Sheen Pearl Harbor	20180226-0808	Oil	Ocean
328	Oahu	Par Hawaii Diesel Release	20180226-0952	Diesel Oil/Marine Gas Oil	Ocean
329	Oahu	HECO Transformer #71446 Leak	20180226-1134	Mineral Oil/Transformer Oil	Soil
330	Maui	MECO Transformer #14118 Release	20180226-1137	Mineral Oil/Transformer Oil	Asphalt
331	Maui	MECO Release Transformer #16667	20180226-1139	Mineral Oil/Transformer Oil	Sand

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332	Kauai	Papaa Bay Compressed Gas Cylinder	20180226-1456	Compressed Gas Cylinder	Drum/Container
333	Oahu	Garlow Petroleum Tanker Truck Spilled Diesel	20180227-1103	Diesel Oil/Marine Gas Oil	Ocean
334	Oahu	Lube Oil Release from USCGC Walnut	20180227-1322	Lube Oil/Motor Oil	Ocean
335	Oahu	Camp Mokuleia Blue 50-gallon Abandoned Plastic Barrel	20180227-1411	Oil	Sand
336	Hawaii	Hydraulic Oil Release from the Pride of America NCL	20180227-1659	Hydraulic Oil	Ocean
337	Oahu	Acetylene Tank Dropped Off at Fire Station	20180227-2205	Compressed Gas Cylinder	Other
338	Oahu	Diesel Release into Honolulu Harbor	20180228-0839	Diesel Oil/Marine Gas Oil	Ocean
339	Hawaii	HELCO Transformer #27085 Release	20180228-1016	Mineral Oil/Transformer Oil	Soil
340	Oahu	HECO Transformer Leak #. 69157	20180228-1037	Mineral Oil/Transformer Oil	Soil
341	Hawaii	Fuel Spill after Vessel Refueled	20180301-0944	Diesel Oil/Marine Gas Oil	Ocean
342	Oahu	Sheen Spotted Near Waikiki Yacht Club and Magic Island	20180303-1849	Unknown	Ocean
343	Maui	MECO Transformer # 8646	20180305-1220	Mineral Oil/Transformer Oil	Soil
344	Oahu	Drill Pacific Commercial Services Drill	20180306-0910	Hydraulic Oil	Ocean
345	Oahu	HECO Kailua Old Substation Transformer # 7844 Release	20180307-1210	Mineral Oil/Transformer Oil	Soil
346	Oahu	Blue jug washed ashore @ Pounders Beach Park	20180308-0936	Liquid	Sand
347	Hawaii	HELCO pad-mount Transformer Release, Kilohana Street, Kailua-Kona	20180308-1059	Mineral Oil/Transformer Oil	Soil
348	Maui	Grace Pacific shuttle buggy diesel spill Maui	20180309-1458	Diesel Oil/Marine Gas Oil	Soil
349	Oahu	Island Energy Services refinery AST leaking aviation gas	20180311-0600	Aviation Gasoline	Coral
350	Oahu	Bilge water release from docked vessel @ PH sierra 18	20180312-0724	Oily Water Mixture	Ocean
351	Oahu	Release of Oxidate in Cargo Container	20180312-1337	Hydrogen peroxide (Conc.> 52%)	Air
352	Oahu	Oil Release at Hakalau Stream Bridge	20180314-0839	Lube Oil/Motor Oil	Stream
353	Oahu	Syringes and Vials Illegal Dumping	20180314-1139	Biohazard/Medical Waste	Other
354	Oahu	Bilge water	20180315-1109	Oily Water Mixture	Ocean
355	Oahu	Grace Pacific Makakilo quarry hydraulic spill from loader	20180316-1315	Hydraulic Oil	Soil
356	Oahu	Submarine Training Center School Propane Release	20180319-0906	Compressed Gas Cylinder	Air
357	Oahu	Propane Leak at JBPHH	20180319-1034	Gas	Air
358	Maui	MECO Transformer # 8038	20180319-1117	Mineral Oil/Transformer Oil	Soil

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359	Oahu	Hydraulic Hose Rupture at Makakilo Quarry	20180320-1550	Hydraulic Oil	Soil
360	Oahu	Foam Release from Air National Guard Hawaii	20180321-1445	Liquid	Concrete
361	Hawaii	HELCO Transformer # 37423	20180322-1006	Mineral Oil/Transformer Oil	Soil
362	Hawaii	HELCO Transformer # 37632	20180322-1007	Mineral Oil/Transformer Oil	Soil
363	Oahu	Lube Oil Spill in Pearl Harbor	20180322-1017	Lube Oil/Motor Oil	Ocean
364	Oahu	HECO Pad Transformer Release Kawaipuna Street, Hauula	20180327-1051	Mineral Oil/Transformer Oil	Concrete
365	Oahu	HECO Pad Transformer Release Mananai Place, Honolulu	20180327-1052	Mineral Oil/Transformer Oil	Concrete
366	Hawaii	HELCO fallen Transformer during storm	20180327-1409	Mineral Oil/Transformer Oil	Soil
367	Oahu	500 N Miles West of Oahu submerged vessel	20180328-1404	Diesel Oil/Marine Gas Oil	Ocean
368	Oahu	Kauhale Kaka'ako parking structure elevator (Ewa)	20180329-1316	Hydraulic Oil	Other
369	Oahu	Oily bilge water spill	20180330-1105	Oily Water Mixture	Ocean
370	Oahu	Vessel grounding in Ke'ehi Lagoon	20180331-1544	Diesel Oil/Marine Gas Oil	Ocean
371	Oahu	HECO's fallen Pole Transformers in Hauula	20180401-0812	Transmission Fluid	Asphalt
372	Oahu	Sheen and debris observed in waters of Ewa Beach	20180402-0805	Oil	Ocean
373	Oahu	Ordinance Permit Request for Schofield Barracks	20180402-0806	Container	Within Facility
374	Oahu	Sheen reported in Boat Harbor coming from slip 5-4	20180403-1256	Unknown	Ocean
375	Oahu	Unknown Material Spilling into Storm drain	20180403-1843	Liquid	Storm Drain
376	Oahu	St. Francis Excavation with Historic Release	20180404-1343	Unknown	Soil
377	Oahu	MCBH fuel truck tank overflow	20180404-1559	Jet Fuel/Kerosene	Concrete
378	Northwestern Hawaiian Islands	Forklift Fell into Water on Wake Island	20180405-1608	Hydraulic Oil	Ocean
379	Oahu	1996 Chevron Pipeline Oil Spill	20180406-1302	Bunker C/IFO/HFO	Lake
380	Maui	Diesel Spill from Paving Crew along a Bike Path	20180407-0919	Diesel Oil/Marine Gas Oil	Soil
381	Oahu	Unknown Sheen in the Ala Wai Boat Harbor near Slips 50-54	20180407-1510	Unknown	Ocean
382	Molokai	Sinking Vessel at Kaunakakai With Possible Fuel Release	20180408-1629	Diesel Oil/Marine Gas Oil	Ocean
383	Hawaii	Unknown Sheen Trailing an Unknown Vessel	20180409-0607	Unknown	Ocean
384	Oahu	Fugitive 55-gallon black poly drum	20180410-0652	Solid Waste	Drum/Container
385	Hawaii	Hawaii Petroleum	20180410-1103	Diesel Oil/Marine Gas Oil	Ocean

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386	Oahu	Manana Military Housing Sewage Spill	20180411-1700	Sewage	Asphalt
387	Hawaii	Blue Barrel Floating on water	20180411-2020	Other	Ocean
388	Oahu	HECO Transformer # 46812	20180412-0915	Mineral Oil/Transformer Oil	Soil
389	Oahu	Unknown sheen, unknown source	20180412-1041	Oil	Ocean
390	Oahu	Unknown substance, light brown and foamy	20180414-0910	Liquid	Ocean
391	Maui	MECO Transformer #16719 found leaking	20180416-1157	Mineral Oil/Transformer Oil	Concrete
392	Hawaii	HELCO Transformer #39056 found leaking	20180416-1158	Mineral Oil/Transformer Oil	Soil
393	Maui	MECO Transformer #17266 found leaking	20180416-1159	Mineral Oil/Transformer Oil	Concrete
394	Oahu	Lead concern at 2266 and 2270 Kuhio Avenue	20180417-1802	Lead	Soil
395	Oahu	Pearl Harbor B19 dredging activities found oil sheen	20180418-0202	Oil	Ocean
396	Oahu	Old Straub Occupational Health office Beretania Street contamination discovery	20180418-0857	Aldrin, Dieldrin	Soil
397	Oahu	Radiator fluid odor around Kapolei Police Station	20180418-1400	Odor	Air
398	Hawaii	Laupahoehoe Fuel Tanker Truck collision	20180418-1430	Gasoline	Asphalt
399	Oahu	Oil sheen Wailupe stream	20180418-1825	Oil	Stream
400	Maui	Boat fuel tank over filled Lahaina, Maui	20180419-1604	Diesel Oil/Marine Gas Oil	Ocean
401	Kauai	Containers of gasoline, pesticides, & paints washing ashore Hanalei, Kauai	20180419-1822	Other	Sand
402	Oahu	Transformer fire @ UH	20180419-2003	Mineral Oil/Transformer Oil	Gravel
403	Oahu	Transformer fire @ UH	20180419-2055	Mineral Oil/Transformer Oil	Soil
404	Oahu	HECO Transformer fire @ UH	20180420-0914	Mineral Oil/Transformer Oil	Gravel
405	Kauai	Hanalei HazMat flood response	20180420-1000	Container	Soil
406	Kauai	Dump truck fuel spill Hanalei	20180420-1031	Diesel Oil/Marine Gas Oil	Stream
407	Oahu	Sheen at Ala Wai Harbor Slip 75	20180423-0848	Oil	Ocean
408	Oahu	Abandoned property filled with debris from stream flooding	20180423-0940	Container	Within Facility
409	Oahu	Ala Wai Boat Harbor Unknown Sheen	20180424-0815	Oil	Ocean
410	Oahu	Kaneohe Bay Fuel Spill	20180424-0825	Jet Fuel/Kerosene	Ocean
411	Oahu	Allegation of Homeless working on 15 cars at Waikomo Beach	20180424-1130	Container	Sand
412	Oahu	Longs Drugs Mililani Marketplace Acid Spill	20180425-1430	Sulfuric acid	Within Facility

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413	Oahu	Air Force C17 aircraft Jet fuel release	20180425-1838	Jet Fuel/Kerosene	Concrete
414	Oahu	Honolulu Transfer Stations Various Cylinder Removals	20180427-0845	Other	Within Facility
415	Oahu	Possible Contamination at Studio Film Site	20180427-0912	Odor	Air
416	Oahu	Ford Island UST	20180427-0920	Liquid	Soil
417	Maui	Vessel Quicksilver engine oil release	20180428-1145	Engine Oil	Ocean
418	Oahu	Unknown sheen at Ala Wai Small Boat Harbor	20180428-1500	Oil	Ocean
419	Oahu	Unknown foamy substance	20180429-1140	Unknown	Ocean
420	Oahu	Ala Wai Small Boat Harbor unknown sheen	20180429-1440	Oil	Ocean
421	Hawaii	Potential to Release - SUV in Pond	20180430-0737	Gasoline	Other
422	Maui	MECO forklift hydraulic line rupture Kahului	20180430-1130	Hydraulic Oil	Asphalt
423	Oahu	Oil Slick Reported on Ala Wai	20180430-1400	Unknown	Ocean
424	Oahu	Sunken Ford SUV in Hamakua Marsh	20180501-0833	Gasoline	Stream
425	Oahu	Unknown sheen by Slip 77 Ala Wai Canal	20180501-1215	Unknown	Ocean
426	Oahu	Allegations of Car Repairs Being Conducted on Private Road	20180501-1228	Oil	Asphalt
427	Oahu	Reported Possible Chemical Agents	20180502-0021	Gas	Air
428	Oahu	Kaneohe Marine Corp Base Fuel Spill	20180502-1938	Diesel Oil/Marine Gas Oil	Asphalt
429	Oahu	Oily Water Mixture Release in Ala Wai Boat Harbor	20180503-0723	Oily Water Mixture	Ocean
430	Hawaii	Puna Area Volcanic Eruption	20180504-0900	Liquid, Sulfur Dioxide	Other
431	Kauai	Island Mover's Mercury Spill	20180504-1045	Mercury	Soil
432	Hawaii	HELCO Leilani Estates Subdivision Transformers	20180504-1200	Mineral Oil/Transformer Oil	Lava
433	Maui	Crane Barge Engine Oil Spill	20180504-1255	Lube Oil/Motor Oil	Ocean
434	Oahu	Asphalt Release at Kalaeloa Asphalt Plant	20180504-1544	Liquid	Impermeable Surface
435	Oahu	Matson ship "Mokihana" fractured wing tank @ Pier 51	20180511-1226	Fuel Oil	Ocean
436	Oahu	HECO Leak Transformer #67906	20180514-1035	Mineral Oil/Transformer Oil	Soil
437	Oahu	HECO Leaking Transformer #84974	20180514-1036	Mineral Oil/Transformer Oil	Soil
438	Oahu	HECO Leak Transformer #59851	20180514-1037	Mineral Oil/Transformer Oil	Soil
439	Maui	Vessel Orion Sinking	20180516-2322	Diesel Oil/Marine Gas Oil	Ocean
440	Oahu	Strong Pesticide Odor	20180519-1050	Odor	Air



**HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018**

<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>	
441	Kauai	Tugboat Nohea Transmission Oil Release	20180520-1915	Transmission Fluid	Ocean
442	Hawaii	HELCO Transformer # 17662	20180521-1034	Mineral Oil/Transformer Oil	Soil
443	Hawaii	HELCO Transformer #2963	20180521-1035	Mineral Oil/Transformer Oil	Soil
444	Oahu	Pleasure Craft Sinking at Keehi Harbor	20180522-1200	Oil	Ocean
445	Oahu	Unmanned aircraft sinking	20180522-1642	Aviation Gasoline, Container, Lube Oil/Motor Oil	Ocean
446	Oahu	Trespassing on a Vessel	20180524-1235	Other	Other
447	Oahu	Mystery Sheen Spotted off USCG Sector Honolulu	20180525-0738	Unknown	Ocean
448	Oahu	Leaking diesel tote @ HELE card lot	20180529-0831	Diesel Oil/Marine Gas Oil	Concrete
449	Oahu	NRC 1213725	20180531-0712	Oil	Ocean
450	Oahu	Tamashiro Trucking oil spill	20180531-0915	Diesel Oil/Marine Gas Oil	Ocean
451	Oahu	Diesel exhaust soot caused sheen on water USS Louisville Pearl Harbor.	20180531-1044	Oil	Ocean
452	Oahu	Cofferdam residual oil release USS Texas Pearl Harbor	20180601-1240	Oil	Ocean
453	Oahu	Downtown Honolulu Bomb Threat	20180603-0638	Other	Other
454	Kauai	Unknown substance on property caused by April's flooding	20180604-0745	Liquid	Gravel
455	Oahu	Dirt stocked piled on 10th Ave. property, Kaimuki	20180604-0746	Powder	Soil
456	Hawaii	AKW LLC oil spill exercise	20180604-1114	Other	Ocean
457	Hawaii	Hydraulic oil spill W.M. Keck Observatory 1 Mauna Kea	20180604-1530	Hydraulic Oil	Gravel
458	Oahu	F/V Strikeology leaks petroleum into Ala Wai boat harbor	20180605-1625	Oil	Ocean
459	Maui	Par Hawaii Maui Terminal Facility Response Plan (FRP) updates	20180606-1059	Other	Within Facility
460	Oahu	Medical waste bag found in dumpster @ Thomas Building	20180606-1428	Biohazard/Medical Waste	Other
461	Kauai	Target Boat Release	20180607-0825	Diesel Oil/Marine Gas Oil	Ocean
462	Molokai	Overtuned 18' boat off Molokai	20180607-1624	Container, Gasoline	Ocean
463	Maui	Pad-mount transformer leaking MECO Maui Marketplace Shopping Center	20180608-0945	Vegetable Oil/Transformer Oil	Soil
464	Hawaii	HELCO Pad-mount transformer leaking, Kailua Kona	20180608-0946	Mineral Oil/Transformer Oil	Soil
465	Hawaii	Par Hawaii Kawaihae Terminal Facility Response Plan (FRP) updates	20180608-1044	Other	Within Facility

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2018

<b>HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2018</b>					
<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>	
466	Hawaii	Par Hawaii Hilo Terminal Facility Response Plan (FRP) updates	20180608-1045	Other	Within Facility
467	Oahu	Unknown oil sheen from upgradient	20180609-0708	Oil	Ocean
468	Oahu	USS Missouri oil release	20180609-1441	Oily Water Mixture	Ocean
469	Hawaii	Blue Laser (HA 8790F) Search and Rescue	20180609-2150	Oil	Ocean
470	Hawaii	Release from a Vessel in Honokohau Harbor	20180612-0745	Diesel Oil/Marine Gas Oil	Ocean
471	Kauai	Par Hawaii Nawiliwili Terminal Facility Response Plan (FRP) updates	20180612-0945	Other	Within Facility
472	Molokai	Par Hawaii Molokai Facility Response Plan (FRP) updates	20180612-0946	Other	Within Facility
473	Oahu	Possible Fiberglass Release in Home	20180613-0619	Powder	Air
474	Oahu	HECO transformer # 73347 leak, Kapolei	20180614-1028	Vegetable Oil/Transformer Oil	Soil
475	Oahu	HECO transformer # 64707 leak, Haleiwa	20180614-1029	Vegetable Oil/Transformer Oil	Soil
476	Oahu	HECO transformer # 49178 leak, Honolulu	20180614-1030	Vegetable Oil/Transformer Oil	Soil
477	Oahu	HECO transformer # 38461 leak, Honolulu	20180614-1031	Vegetable Oil/Transformer Oil	Soil
478	Kauai	Herbicide Intentionally Used to Harm Ducks	20180614-1134	Liquid	Stream
479	Hawaii	Sheen in Hilo Harbor, Pier 3	20180614-1640	Unknown	Ocean
480	Oahu	Possible Oily Water on Street	20180615-1145	Unknown	Asphalt
481	Hawaii	Ocean View Air Monitor went down	20180617-1604	Sulfur dioxide	Air
482	Oahu	Hydraulic oil spill Ahuimanu Loop, Kahuluu	20180622-1013	Hydraulic Oil	Concrete
483	Hawaii	Gasoline spill Lava Ocean View (M/V Lavaone), Suisan, Hilo	20180623-1013	Diesel Oil/Marine Gas Oil	Ocean
484	Oahu	Sheen Keehi Lagoon Pier 200	20180624-1211	Oil	Ocean
485	Oahu	ABC tanker truck PL # 108TTT Release on Pier 24	20180625-0930	Diesel Oil/Marine Gas Oil	Asphalt
486	Oahu	Compensating Water Discharge	20180627-1720	Water	Ocean
487	Oahu	USNS Mercy	20180628-0800	Other	Ocean
488	Oahu	Diesel Spill from Crane at Pearl Harbor	20180629-1040	Diesel Oil/Marine Gas Oil	Concrete

## 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 FY2018, HEER had oversight responsibilities for 1,048 active sites, and reached No Further Action determinations at 36 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. 584 active sites under direct DOH oversight in the various State programs are listed. 20 state sites with known or suspected contamination received No Further Action Determinations. Of those, 15 sites require ongoing management of residual contamination through Environmental Hazard Management Plans. Note that these sites are not included separately on the Priority Site list below.

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 462 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities.

The HEER Office performs periodic quality assurance/quality control checks on the data for inconsistencies and discrepancies. The end result of these efforts has led to identifying an additional 216 military sites that split from investigations of larger installations. Further checks will be performed throughout the upcoming year to ensure the accuracy of the data being presented.

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 2018, clean up decisions were reached at 13 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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**HSRP LIST OF PRIORITY SITES FY2018**

**FY2018 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 FY2018 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	4	36	133	1	2	176
	Response	59	140	89	14	3	305
Brownfields	Assessment	0	1	11	0	0	12
	Response	4	9	5	0	0	18
VRP	Assessment	0	1	1	0	0	2
	Response	1	0	0	0	0	1
Site Discovery & PA/SI	Assessment	1	15	34	0	2	52
	Response	2	7	6	0	0	15
NPL	Assessment	0	0	0	0	1	1
	Response	1	2	1	0	0	4
Total		72	211	280	15	8	586

	Program Action	High Priority	Medium Priority	Low Priority	NFA	Total
DSMOA	Assessment	2	73	319	5	399
	Response	15	17	23	8	63
Total		17	90	342	13	462

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
1	French Frigate	Tern Island	Tern Island	Low	Response	Hazard Present	Ongoing	State
2	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Hazard Undetermined	Inactive	State
3	Hawaii	Hakalau	Mauna Kea Sugar - Hakalau Sugar Plantation	High	Response	Hazard Present	Ongoing	State
4	Hawaii	Hakalau	Umauma Stream Bridge	Medium	Assessment	Hazard Undetermined	Ongoing	State
5	Hawaii	Hamakua	Agent Orange Application	Low	Response	Hazard Undetermined	Inactive	State
6	Hawaii	Hamakua	Hakalau Stream Bridge	High	Assessment	Hazard Undetermined	Ongoing	State
7	Hawaii	Hawi	Harbottle Property	Low	Assessment	Hazard Undetermined	Ongoing	State
8	Hawaii	Hawi	Upolu Point Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
9	Hawaii	Hawi	Westrum Property	Medium	Assessment	Hazard Undetermined	Ongoing	State
10	Hawaii	Hilo	888 Kalaniana'ole Avenue	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
11	Hawaii	Hilo	Aloha Petroleum Hilo Bulk Plant	Medium	Response	Hazard Present	Ongoing	State
12	Hawaii	Hilo	Big Island Asphalt Co Inc	Medium	Response	Hazard Present	Ongoing	State
13	Hawaii	Hilo	Equilon Enterprises LLC - Hilo Terminal (Shell Oil Co)	Low	Response	Hazard Present	Ongoing	State
14	Hawaii	Hilo	Hatada Bakery (Former)	Low	Response	Hazard Managed with Institutional Controls	Inactive	State
15	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond	High	Response	Hazard Present	Ongoing	State
16	Hawaii	Hilo	Hawaii County DWS - Former Steel Water Tank Kawai'ani Street, Hilo	Medium	Assessment	Hazard Present	Ongoing	State
17	Hawaii	Hilo	Hawaii County Kamehameha Avenue Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
18	Hawaii	Hilo	Hawaii Pest Control	Medium	Response	Hazard Present	Ongoing	State
19	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing	State
20	Hawaii	Hilo	Highway 19, Mile Marker 28.5	Low	Assessment	Hazard Undetermined	Ongoing	State
21	Hawaii	Hilo	Hilo Harbor Interisland Cargo Dock	Low	Assessment	Hazard Undetermined	Ongoing	State
22	Hawaii	Hilo	Hilo Memorial Hospital	Low	Response	Hazard Undetermined	Ongoing	State
23	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
24	Hawaii	Hilo	Hilo Terminal 666 Kalaniana'ole Avenue	Medium	Response	Hazard Present	Ongoing	State
25	Hawaii	Hilo	Kano'elehua Industrial Warehouse	Low	Assessment	Hazard Undetermined	Inactive	Brownfields Site

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
26	Hawaii	Hilo	Kawailani Central Office	Medium	Assessment	Hazard Undetermined	Ongoing	State
27	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
28	Hawaii	Hilo	Kuawa Street Soccer Fields Development Site	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
29	Hawaii	Hilo	Kumau Street Improvements Hilo Harbor Entrance	Low	Assessment	Hazard Undetermined	Ongoing	State
30	Hawaii	Hilo	Lanakila Homes Phase 3B-4	Medium	Assessment	Hazard Present	Ongoing	State
31	Hawaii	Hilo	Larry's Waiakea Chevron	Low	Response	Hazard Present	Ongoing	State
32	Hawaii	Hilo	Mauna Kea Sugar - Hilo Sugar Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
33	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed Dipping Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
34	Hawaii	Hilo	Old Hilo Canec Plant	Low	Assessment	Hazard Present	Ongoing	State
35	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 595 Kalaniana'ole	Low	Assessment	Hazard Undetermined	Ongoing	State
36	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 607 Kalaniana'ole	Low	Assessment	Hazard Present	Ongoing	State
37	Hawaii	Hilo	UH Hilo Pacific Aquaculture and Ocean Resources Center	Low	Assessment	Hazard Undetermined	Ongoing	State
38	Hawaii	Hilo	UST excavated Bishop and Kamehameha	Low	Assessment	Hazard Undetermined	Ongoing	State
39	Hawaii	Hilo	Waiakea Mill Company - Camp 2	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
40	Hawaii	Hilo	Waiakea Mill Company - Camp 6	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
41	Hawaii	Hilo	Waiakea Mill Company - Waiakea Uka Park	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
42	Hawaii	Hilo	Waiakea Upland Arsenic Site	Low	Assessment	Hazard Present	Inactive	State
43	Hawaii	Hilo	Wailoa River State Recreation Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
44	Hawaii	Hilo	Wood Protection Company (HPM Building Supply)	Low	Assessment	Hazard Present	Ongoing	State
45	Hawaii	Honokaa	Hamakua Sugar Company Inc - Kawela Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
46	Hawaii	Honokaa	Hamakua Sugar Company, Inc - Honokaa Haina Mill Pesticide Mixing Area	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
47	Hawaii	Honomu	Honomu Sugar Company Poison Warehouse	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
48	Hawaii	Honomu	Kolekole Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery



HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
49	Hawaii	Honomu	Paheehee Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
50	Hawaii	Kailua	Kealakehe Transfer Station	Medium	Assessment	Hazard Present	Ongoing	State
51	Hawaii	Kailua-Kona	Cellana Kona Demonstration Facility	Low	Assessment	Hazard Present	Ongoing	State
52	Hawaii	Kailua-Kona	Hawaii Petroleum- Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing	State
53	Hawaii	Kailua-Kona	Honokohau Industrial Park-Lower Boat Park Soil Contamination	Low	Response	Hazard Undetermined	Ongoing	State
54	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive	State
55	Hawaii	Kamuela	Mid Pac Petroleum	Low	Assessment	Hazard Undetermined	Ongoing	State
56	Hawaii	Kamuela	Waimea Quarry	Low	Assessment	Hazard Undetermined	Ongoing	State
57	Hawaii	Kapaau	Niulii Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
58	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing	State
59	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Assessment	Hazard Undetermined	Ongoing	State
60	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
61	Hawaii	Keaau	Keaau Middle School	Low	Assessment	Hazard Managed with Institutional Controls	Inactive	State
62	Hawaii	Keaau	Keaau Middle School	Low	Assessment	Hazard Managed with Institutional Controls	Inactive	State
63	Hawaii	Keaau	Keaau Paho Road 118 Acre Parcel	Low	Response	Hazard Present	Inactive	State
64	Hawaii	Keaau	Keaau Triangle Lot	Low	Response	Hazard Present	Inactive	State
65	Hawaii	Keaau	Keaau VRP Site	High	Assessment	Hazard Managed with Engineering Controls	Ongoing	State
66	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
67	Hawaii	Keaau	Ulupono Street Lots 10 and 11 Keaau Hawaii	Medium	Response	Hazard Present	Ongoing	Site Discovery
68	Hawaii	Kealakekua	Kealakekua Heritage Ranch	Low	Response	Hazard Present	Ongoing	State
69	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Hazard Undetermined	Inactive	State
70	Hawaii	Lahaina	Former Minoru Kamahara Chevron	Low	Response	Hazard Present	Ongoing	State
71	Hawaii	Laupahoehoe	35-2078 Hulaana Place	Medium	Assessment	Hazard Undetermined	Ongoing	State
72	Hawaii	Laupahoehoe	Hamakua Sugar Company, Inc - Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
73	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
74	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Seed Dipping Vat	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
75	Hawaii	Naalehu	Kaalaiki Industrial Lot D	High	Response	Hazard Present	Ongoing	Fast Track
76	Hawaii	Naalehu	Kaalaiki Industrial Lots B-D	High	Response	Hazard Present	Ongoing	Site Discovery
77	Hawaii	Naalehu	Kau Agribusiness Hutchinson Sugar Mill Honuapo	Low	Assessment	Hazard Undetermined	Ongoing	State
78	Hawaii	Ninole	Nanue Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
79	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive	Brownfields
80	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Seed Dipping Plant	Low	Response	Hazard Managed with Institutional Controls	Ongoing	Site Discovery
81	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing	Site Discovery
82	Hawaii	Paauilo	Hamakua Sugar Company - Ookala Mill Pesticide Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
83	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Asbestos Disposal Site	Low	Assessment	Hazard Present	Ongoing	State
84	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Paauilo Seed Dipping Plant	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Site Discovery
85	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Paauilo Sugar Mill Pesticide Mixing Area	High	Assessment	Hazard Present	Ongoing	Site Discovery
86	Hawaii	Paauilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive	State
87	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing	State
88	Hawaii	Pahala	ML Macadamia Orchards, LP (Kau Div)	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
89	Hawaii	Papaikou	27-0330 Mamalahoa Highway Collision	Low	Response	Hazard Undetermined	Ongoing	State
90	Hawaii	Papaikou	Kapue Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
91	Hawaii	Papaikou	Mauna Kea Sugar - Onomea Sugar Papaikou Mill Pesticide Mixing Area	High	Response	Hazard Present	Ongoing	Site Discovery
92	Hawaii	Papaikou	Mauna Kea Sugar Papaikou Garage Pesticide Storage and Loading Area	NFA	Assessment	No Hazard	NFA	Site Discovery
93	Hawaii	Pepeekeo	Black Oil and Drum Sites	Low	Response	Hazard Present	Ongoing	State
94	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
95	Hawaii	Pepeekeo	Hu Honua Bioenergy Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
96	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
97	Hawaii	Pepeekeo	Mauna Kea Sugar - Pepeekeo Mill Herbicide Mixing Area	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
98	Hawaii	South Kona	Kamehameha Schools Estoy Property	Medium	Response	Hazard Present	Ongoing	State
99	Hawaii	Waimea	Keck Observatory Hydraulic Oil Release	Medium	Response	Hazard Undetermined	Ongoing	State
100	Hawaii	Waipunalei	Hamakua Sugar Company, Inc - Waipunalei	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Site Discovery
101	Hawaii		East Hawaii Schools	Medium	Assessment	Hazard Undetermined	Ongoing	State
102	Kauai	Barking Sands	Grace Pacific Corporation - Barking Sands HMA Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
103	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Hazard Present	Ongoing	State
104	Kauai	Eleele	McBryde Sugar Numila Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	State
105	Kauai	Eleele	Port Allen Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
106	Kauai	Hanamaulu	Grace Pacific Corporation - Hanamaulu Facility	NFA	Assessment	Hazard Managed with Engineering Controls	NFA	State
107	Kauai	Hanamaulu	Lihue Plantation Co, Ltd - Lihue Herbicide Mixing Plant	Medium	Response	Hazard Undetermined	Ongoing	State
108	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing	State
109	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard Undetermined	Ongoing	State
110	Kauai	Kapaa	Coconut Marketplace	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
111	Kauai	Kapaa	Hawaiian Fruit Packers Poison Mixing Site	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
112	Kauai	Kapaa	Leonard's, Inc	Low	Assessment	Hazard Undetermined	Ongoing	State
113	Kauai	Kapaa	Samuel Mahelona Memorial Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
114	Kauai	Kapaa	Wailua Homestead Wells 0421-01& 02	Low	Response	Hazard Present	Inactive	State
115	Kauai	Kekaha	7723 Iwipolena Road	Medium	Response	Hazard Undetermined	Ongoing	State
116	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Hazard Undetermined	Ongoing	State
117	Kauai	Kekaha	Kekaha Dump Area	Low	Response	Hazard Present	Ongoing	State
118	Kauai	Kekaha	Kekaha Sugar Co, Ltd	Medium	Response	Hazard Present	Ongoing	State
119	Kauai	Kekaha	Kekaha Sugar Co, Ltd - Kekaha Wood Treatment Plant	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
120	Kauai	Kekaha	Paua Valley Tank PCB Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
121	Kauai	Kekaha	Pioneer Hi-Bred	Low	Assessment	Hazard 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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
122	Kauai	Kilauea	Hale Hoolulu-Kilauea	Low	Response	Hazard Present	Ongoing	State
123	Kauai	Koloa	Kauai Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
124	Kauai	Koloa	Koloa Mill Pesticide Mixing Area Post-1974	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
125	Kauai	Lihue	Former Ahukini Dump	Low	Assessment	Hazard Present	Ongoing	State
126	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing	State
127	Kauai	Lihue	Lihue Plantation Co, Ltd	Medium	Response	Hazard Present	Ongoing	Brownfields
128	Kauai	Lihue	Lihue Plantation Co, Ltd - Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
129	Kauai	Lihue	Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
130	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
131	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	State
132	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Hazard Undetermined	Inactive	State
133	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Assessment	Hazard Present	Inactive	State
134	Kauai	Lihue	Paradise 76 Service Station	Low	Assessment	Hazard Undetermined	Ongoing	State
135	Kauai	Port Allen	Port Allen Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
136	Kauai	Port Allen	Port Allen Shed Renovation	Low	Assessment	Hazard Undetermined	Inactive	State
137	Kauai	Princeville	Princeville Water System PCB Contamination	High	Response	Hazard Present	Ongoing	State
138	Kauai	Puhi	Grove Farm Company at Puhi	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
139	Kauai	Wailua	Coco Palms Sewage Pump Station	Low	Assessment	Hazard Undetermined	Inactive	State
140	Kauai	Waimea	Meadow Gold Dairies, Inc- Waimea	Low	Response	Hazard Present	Inactive	State
141	Kauai	Waimea	Navy MFH PMRF Barking Sands	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
142	Kauai	Waimea	Waimea Sugar Company	Low	Assessment	Hazard Present	Ongoing	Site Discovery
143	Kure Atoll	Kure Atoll	Kure Atoll, U.S. Coast Guard	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
144	Lanai	Lanai City	Dole Lanai Plantation	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
145	Lanai	Lanai City	Former Emulsion Plant - Fraser Development Site	Medium	Response	Hazard Present	Ongoing	State
146	Lanai	Lanai City	Lanai City Expansion 200 Housing Units	Medium	Assessment	Hazard Present	Ongoing	State
147	Maui	Haiku	Nahiku Rubber Company	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

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148	Maui	Haiku	Pauwela Homes Project, Kauhikoa Land LLC	Low	Assessment	Hazard Undetermined	Ongoing	State
149	Maui	Hana	Kaeleku Plantation Company Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
150	Maui	Kahului	A&B Central Power Plant Pipelines	Medium	Assessment	Hazard Present	Ongoing	State
151	Maui	Kahului	A&B Properties, Inc., Agricultural Deep Soil Dump Lot 6	Low	Assessment	Hazard Undetermined	Ongoing	State
152	Maui	Kahului	Fong Construction	Low	Assessment	Hazard Undetermined	Inactive	State
153	Maui	Kahului	Hobron Ave Area (Kahului)	Low	Response	Hazard Present	Ongoing	State
154	Maui	Kahului	Kahului Airport Consolidated Car Rental (CONRAC) Facility	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
155	Maui	Kahului	Kahului Fuel Distribution Terminal	Low	Response	Hazard Present	Ongoing	State
156	Maui	Kahului	Kahului Harbor Parcel B	Low	Assessment	Hazard Undetermined	Ongoing	State
157	Maui	Kahului	Kahului Harbor Pier 1	Low	Assessment	Hazard Present	Ongoing	State
158	Maui	Kahului	Kahului Terminal	Low	Response	Hazard Present	Ongoing	State
159	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street	Low	Assessment	Hazard Undetermined	Ongoing	State
160	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Ongoing	State
161	Maui	Kahului	Sears Auto Center	Low	Assessment	Hazard Undetermined	Inactive	State
162	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing	State
163	Maui	Kihei	A&B Properties Former Agricultural Land Kihei Maui	Medium	Assessment	Hazard Undetermined	Ongoing	State
164	Maui	Kihei	BHP Gas Express (Station # 73), Azeka's Place	Low	Assessment	Hazard Undetermined	Ongoing	State
165	Maui	Kihei	Hawaii Army National Guard - Puunene Armory	Low	Assessment	Hazard Undetermined	Ongoing	State
166	Maui	Kihei	Kamalani Borrow Sites	Medium	Assessment	Hazard Undetermined	Ongoing	State
167	Maui	Kihei	Makena Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
168	Maui	Lahaina	Kapalua Resort Company	Low	Assessment	Hazard Undetermined	Ongoing	State
169	Maui	Lahaina	Lahaina Cannery Mall Phase II Assessment	Low	Response	Hazard Undetermined	Ongoing	State
170	Maui	Lahaina	Maui Land and Pineapple Company Honolulu Pesticide Mixing Area	Medium	Response	Hazard Present	Ongoing	Site Discovery
171	Maui	Lahaina	MECO Submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Ongoing	State
172	Maui	Lahaina	Olowalu Company Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
173	Maui	Lahaina	Oppenheimer - Kai Mauka Iki Apartments	NFA	Assessment	No Hazard	NFA	State

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174	Maui	Lahaina	Westin Maui	Medium	Response	Hazard Present	Ongoing	State
175	Maui	Makawao	Maui Land and Pineapple Company Haliimaile Pesticide Storage Area	Medium	Response	Hazard Undetermined	Ongoing	Site Discovery
176	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	PA/SI
177	Maui	Pukalani	Maui Pineapple Co Ltd, Corn Mill Camp	High	Response	Hazard Present	Ongoing	State
178	Maui	Puunene	Old Puunene Airport Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
179	Maui	Puunene	Puunene Airport (Dragstrip & Moto-Cross)	Low	Assessment	Hazard Undetermined	Ongoing	State
180	Maui	Wailuku	Kehalani Development Quonset Hut Module 18 and Shaft	NFA	Response	No Hazard	NFA	State
181	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing	State
182	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing	State
183	Maui	Wailuku	Waihee Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
184	Maui	Wailuku	Wailuku Sugar Agricultural Department Pesticide Mixing	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
185	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing	State
186	Molokai	Ilio Point	Long Range Navigation Station Ilio Point	Medium	Response	No Hazard	Ongoing	State
187	Molokai	Ilio Point	Long Range Navigation Station Ilio Point Secondary Debris Pile	Low	Assessment	Hazard Undetermined	Ongoing	State
188	Molokai	Kalaupapa	Kalaupapa Settlement - Historical Burn Area	Low	Response	Hazard Present	Ongoing	Site Discovery
189	Molokai	Kalaupapa	Kalaupapa Settlement - Kitchen Fire Debris	Low	Response	Hazard Undetermined	Ongoing	State
190	Molokai	Kaunakakai	DLNR Water Line Installation	Medium	Response	Hazard Undetermined	Ongoing	State
191	Molokai	Kaunakakai	Galiher-Ono Property	Medium	Response	Hazard Present	Ongoing	State
192	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive	State
193	Molokai	Kaunakakai	Kaunakakai Drainage System B	Medium	Assessment	Hazard Undetermined	Ongoing	State
194	Molokai	Kaunakakai	Kaunakakai Terminal	Low	Response	Hazard Present	Ongoing	State
195	Molokai	Kaunakakai	Kaunakakai Wharf Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
196	Molokai	Kaunakakai	Molokai Community Service Center	Low	Assessment	Hazard Undetermined	Ongoing	State
197	Molokai	Kaunakakai	Molokai Electric Company (MOECO) Power Plant Site	Medium	Response	Hazard Present	Ongoing	State
198	Molokai	Kualapuu	Del Monte Corporation Kualapuu Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery

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199	Molokai	Maunaloa	Libby McNeill and Libby Maunaloa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
200	Molokai	Umipaa	Grace Pacific Corporation - Maui Paving Molokai Asphalt Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
201	Niihau	Keelinawi	Niihau Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
202	Oahu	Aiea	98-55 Kamehameha Highway	Low	Assessment	Hazard Undetermined	Ongoing	State
203	Oahu	Aiea	Grace Pacific Corporation - Halawa Valley Street	Low	Response	Hazard Present	Ongoing	State
204	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive	State
205	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive	State
206	Oahu	Aiea	Navy MFH Halawa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
207	Oahu	Aiea	Navy MFH McGrew Point	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
208	Oahu	Aiea	Sears Pearlridge #1578 Elevator Jack	Low	Response	Hazard Managed with Engineering Controls	Inactive	State
209	Oahu	Aiea	Sears Pearlridge #1578 Hydraulic Hoist	Low	Response	Hazard Present	Ongoing	State
210	Oahu	Barbers Point	Aloha Petroleum, Barbers Pt Sales Terminal (Formerly Texaco/Equilon)	Low	Response	Hazard Present	Ongoing	State
211	Oahu	Barbers Point	Barbers Point Harbor Expansion	Low	Response	Hazard Present	Ongoing	State
212	Oahu	Barbers Point	Barbers Point Harbor Pier 5	NFA	Response	No Hazard	NFA	State
213	Oahu	Barbers Point	Barbers Point Harbor Pier 7 and Storage Yard S-6	Low	Assessment	Hazard Undetermined	Inactive	State
214	Oahu	Camp HM Smith	Marines MFH Camp Smith	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
215	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Ongoing	Brownfields
216	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
217	Oahu	Ewa Beach	BHP Gas Express Station 43 Ewa Repair Shop	Low	Assessment	Hazard Undetermined	Ongoing	State
218	Oahu	Ewa Beach	Iroquois Point Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
219	Oahu	Ewa Beach	Palailai Landfill	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
220	Oahu	Fort Shafter	Army MFH FS Funston Village	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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221	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
222	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
223	Oahu	Fort Shafter	Army MFH FS Palm Circle	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
224	Oahu	Fort Shafter	Army MFH FS Radar Hill	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
225	Oahu	Fort Shafter	Army MFH FS Rice Manor	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
226	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
227	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
228	Oahu	Haleiwa	Haleiwa Chevron Service Station	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
229	Oahu	Haleiwa	Haleiwa Commercial Redevelopment	Low	Response	Hazard Present	Ongoing	State
230	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Present	Ongoing	State
231	Oahu	Helemano MR	Army MFH HMR Kalapana	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
232	Oahu	Helemano MR	Army MFH HMR Kekona	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
233	Oahu	Helemano MR	Army MFH HMR Kuapale	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
234	Oahu	Hickam AFB	Air Force MFH HAFB CGO-FGO Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
235	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
236	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
237	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
238	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
239	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-4	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
240	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	High	Response	Hazard Managed with Engineering Controls	Ongoing	State



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241	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
242	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
243	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
244	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
245	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
246	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
247	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
248	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
249	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
250	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
251	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
252	Oahu	Hickam AFB	Air Force MFH HAFB GO-SO Historic Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
253	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
254	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
255	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
256	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
257	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
258	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
259	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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260	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
261	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
262	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
263	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
264	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
265	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
266	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-2	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
267	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-3	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
268	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
269	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
270	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
271	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
272	Oahu	Hickam AFB	Hickam AFB HIANG F22 Parking Apron	Low	Response	Hazard Present	Ongoing	State
273	Oahu	Hilo	Hilo Airport Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
274	Oahu	Honolulu	1385 Colburn Street	Low	Assessment	Hazard Undetermined	Ongoing	State
275	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
276	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
277	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Hazard Undetermined	Ongoing	State
278	Oahu	Honolulu	1812 Colburn Street Site	Medium	Response	Hazard Present	Ongoing	State
279	Oahu	Honolulu	2051-2057 Kalakaua Avenue	Low	Assessment	Hazard Undetermined	Ongoing	State
280	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing	State
281	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing	State
282	Oahu	Honolulu	2250 Pahounui Drive	Medium	Assessment	Hazard Present	Ongoing	State

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283	Oahu	Honolulu	2958 Ualena Street	Low	Assessment	Hazard Undetermined	Ongoing	State
284	Oahu	Honolulu	333 & 351 N King St	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
285	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing	State
286	Oahu	Honolulu	393 North King Street	Low	Assessment	Hazard Undetermined	Ongoing	State
287	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
288	Oahu	Honolulu	458 Keawe Street	Low	Assessment	Hazard Undetermined	Ongoing	State
289	Oahu	Honolulu	580 North Nimitz Highway	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
290	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Present	Ongoing	State
291	Oahu	Honolulu	604 Ala Moana Boulevard	Medium	Response	Hazard Managed with Institutional Controls	Inactive	State
292	Oahu	Honolulu	630 Cooke Street	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
293	Oahu	Honolulu	700 N Nimitz IDPP Release	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
294	Oahu	Honolulu	755 N Nimitz Hwy	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
295	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
296	Oahu	Honolulu	801 South Hotel Street	Medium	Assessment	Hazard Undetermined	Ongoing	State
297	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Hazard Undetermined	Ongoing	State
298	Oahu	Honolulu	916 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
299	Oahu	Honolulu	922 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
300	Oahu	Honolulu	938 Kohou Street	Low	Response	Hazard Present	Ongoing	State
301	Oahu	Honolulu	Aina Haina Public Library	Low	Assessment	Hazard Managed with Engineering Controls	Ongoing	State
302	Oahu	Honolulu	Al Phillips Facility	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
303	Oahu	Honolulu	Ala Moana WWPS Force Main #3 and #4	NFA	Assessment	No Hazard	NFA	State
304	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
305	Oahu	Honolulu	Aloha Petroleum Honolulu Terminal	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
306	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Hazard Present	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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
307	Oahu	Honolulu	Ameron Hawaii Sand Island Facility	Medium	Response	Hazard Undetermined	Ongoing	State
308	Oahu	Honolulu	ARCO AM/PM #82102 (Texaco 61-100-0043)	Low	Response	Hazard Present	Ongoing	State
309	Oahu	Honolulu	Army MFH AMR Bougainville	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
310	Oahu	Honolulu	Army MFH AMR Hibiscus	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
311	Oahu	Honolulu	Army MFH AMR Makai View	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
312	Oahu	Honolulu	Army MFH AMR Plumeria	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
313	Oahu	Honolulu	Army MFH AMR Rim Loop	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
314	Oahu	Honolulu	Army MFH AMR Skyview	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
315	Oahu	Honolulu	Army MFH AMR Valley View	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
316	Oahu	Honolulu	Army MFH Army Hawaii Family Housing ADMIN FILE	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
317	Oahu	Honolulu	ARTSPACE	High	Response	Hazard Present	Ongoing	Brownfields
318	Oahu	Honolulu	ASIG Sand Island	Medium	Assessment	Hazard Undetermined	Ongoing	State
319	Oahu	Honolulu	Awa Wastewater Pump Station	Low	Assessment	Hazard Undetermined	Ongoing	State
320	Oahu	Honolulu	Berger AutoHaus, Inc	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
321	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	Low	Assessment	Hazard Present	Ongoing	VRP
322	Oahu	Honolulu	Chevron Honolulu Terminal Marine	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
323	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
324	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing	State
325	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing	State
326	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing	State
327	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
328	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Response	Hazard 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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
329	Oahu	Honolulu	Citizens Energy Services Pier 38	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
330	Oahu	Honolulu	Classic Bowl	Medium	Assessment	Hazard Present	Ongoing	State
331	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
332	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
333	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed with Institutional Controls	Inactive	State
334	Oahu	Honolulu	Dole Cannery Complex	Low	Assessment	Hazard Undetermined	Ongoing	State
335	Oahu	Honolulu	Dole Iwilei	High	Response	Hazard Present	Ongoing	State
336	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
337	Oahu	Honolulu	Equilon Enterprises LLC Honolulu Terminal	Medium	Response	Hazard Present	Ongoing	State
338	Oahu	Honolulu	Factory Street Lead	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
339	Oahu	Honolulu	Farrington High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
340	Oahu	Honolulu	Former General Printing Company	Medium	Assessment	Hazard Undetermined	Ongoing	State
341	Oahu	Honolulu	Goodwill Beretania Street	Low	Assessment	Hazard Undetermined	Ongoing	State
342	Oahu	Honolulu	Hale Pua Nui UST Removal	Low	Response	Hazard Present	Ongoing	State
343	Oahu	Honolulu	Hart Street WWPS	Low	Response	Hazard Present	Ongoing	State
344	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport	Low	Response	Hazard Present	Ongoing	State
345	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Ongoing	State
346	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release	Low	Response	Hazard Present	Ongoing	State
347	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing	State
348	Oahu	Honolulu	Hawaii Grain Corporation	Low	Assessment	Hazard Undetermined	Ongoing	State
349	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Response	Hazard Managed with Engineering Controls	Inactive	State
350	Oahu	Honolulu	Hawaii Kai Marina	Low	Assessment	Hazard Undetermined	Ongoing	State
351	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Low	Response	Hazard Managed with Engineering 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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
352	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing	State
353	Oahu	Honolulu	Hawaii Transfer Company, Ltd Pier 36	Low	Response	Hazard Present	Ongoing	State
354	Oahu	Honolulu	Hawaiian Electric Company (HECO) - Iwilei Tank Yard	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
355	Oahu	Honolulu	Hawaiian Electric Company (HECO) Parking Lot and Alley	Medium	Assessment	Hazard Undetermined	Ongoing	State
356	Oahu	Honolulu	Hawaiian Electric Company (HECO)- Honolulu Generating Station	Low	Assessment	Hazard Present	Inactive	State Response Program
357	Oahu	Honolulu	Hawaiian Flour Mill	Low	Response	Hazard Present	Ongoing	State
358	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Present	Ongoing	State
359	Oahu	Honolulu	Hawaiian Macadamia Nut Company Pesticide Mixing Area	NFA	Assessment	No Hazard	NFA	Site Discovery
360	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive	State
361	Oahu	Honolulu	HECO Fuel Oil Pipeline Route State Energy Corridor	Low	Assessment	Hazard Undetermined	Ongoing	State
362	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
363	Oahu	Honolulu	Honolulu Airport Interim Car Rental Facility	Low	Response	Hazard Managed with Institutional Controls	Inactive	State
364	Oahu	Honolulu	Honolulu Harbor Iwilei District Operating Parties	Medium	Assessment	Hazard Present	Inactive	State
365	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1A	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
366	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1B	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
367	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1C	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
368	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU2	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
369	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU3	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
370	Oahu	Honolulu	Honolulu Harbor Kapalama Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
371	Oahu	Honolulu	Honolulu Harbor Sand Island Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
372	Oahu	Honolulu	Honolulu International Airport	Medium	Assessment	Hazard Undetermined	Inactive	State
373	Oahu	Honolulu	Honolulu International Airport Project AO1121-24 PH 1-A	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
374	Oahu	Honolulu	Honolulu Limited	Medium	Response	Hazard Present	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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
375	Oahu	Honolulu	Honolulu Marine Sand Island	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
376	Oahu	Honolulu	Honolulu Marine Small Boat Shipyard at Keehi Lagoon	Low	Assessment	Hazard Present	Ongoing	State
377	Oahu	Honolulu	Honolulu Seawater Air Conditioning Project	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
378	Oahu	Honolulu	Honolulu Shipyard, Inc	Low	Response	Hazard Undetermined	Inactive	State
379	Oahu	Honolulu	Honolulu Wood Treating Co, Ltd	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
380	Oahu	Honolulu	HPD & HFD Rotor Wing Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
381	Oahu	Honolulu	HSI Mechanical	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
382	Oahu	Honolulu	Innovation Block at Lot C	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
383	Oahu	Honolulu	Interisland Maintenance Facility Site Elliot Street	Low	Response	Hazard Undetermined	Ongoing	State
384	Oahu	Honolulu	Iolani School Campus Expansion	High	Response	Hazard Present	Ongoing	State
385	Oahu	Honolulu	Island Movers, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
386	Oahu	Honolulu	Iwilei Fruits and Produce	Low	Response	Hazard Undetermined	Ongoing	State
387	Oahu	Honolulu	Iwilei Project Site (Iwilei Brownfields)	Low	Response	Hazard Present	Ongoing	Brownfields
388	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Low	Assessment	Hazard Present	Ongoing	State
389	Oahu	Honolulu	Kakaako Block C	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
390	Oahu	Honolulu	Kakaako Brownfield Project	High	Response	Hazard Managed with Institutional Controls	Ongoing	Brownfields
391	Oahu	Honolulu	Kakaako Brownfield Project - Unit 1	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
392	Oahu	Honolulu	Kakaako Brownfield Project - Unit 10	Low	Assessment	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
393	Oahu	Honolulu	Kakaako Brownfield Project - Unit 2	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
394	Oahu	Honolulu	Kakaako Brownfield Project - Unit 3	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
395	Oahu	Honolulu	Kakaako Brownfield Project - Unit 4	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields
396	Oahu	Honolulu	Kakaako Brownfield Project - Unit 5	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
397	Oahu	Honolulu	Kakaako Brownfield Project - Unit 6	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
398	Oahu	Honolulu	Kakaako Brownfield Project - Unit 7	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
399	Oahu	Honolulu	Kakaako Brownfield Project - Unit 8	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields
400	Oahu	Honolulu	Kakaako Brownfield Project - Unit 9	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
401	Oahu	Honolulu	Kakaako Improvement District 3	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
402	Oahu	Honolulu	Kakaako Improvement District 7		Assessment	Hazard Undetermined	Ongoing	Brownfields
403	Oahu	Honolulu	Kakaako Maintenance Shed	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
404	Oahu	Honolulu	Kakaako Makai District John Dominis	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
405	Oahu	Honolulu	Kakaako Makai District Parking Garage-Unit 1 and 3	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
406	Oahu	Honolulu	Kakaako Makai District Units 2 and 4	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
407	Oahu	Honolulu	Kakaako Makai District Units 6 and 7	High	Response	Hazard Present	Ongoing	Brownfields
408	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing	State
409	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing	State
410	Oahu	Honolulu	Kapalama Container Yard Project	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
411	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
412	Oahu	Honolulu	Keeaumoku Superblock Project	Low	Assessment	Hazard Undetermined	Inactive	State
413	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
414	Oahu	Honolulu	Kuakini Medical Center	Low	Assessment	Hazard Undetermined	Ongoing	State
415	Oahu	Honolulu	Kuhio Park Terrace Units D1 and D2	Low	Response	Hazard Managed with Institutional Controls	Ongoing	Brownfields
416	Oahu	Honolulu	Lockheed Air Terminal, Inc	Medium	Response	Hazard Present	Inactive	Site Discovery
417	Oahu	Honolulu	Marks Garage	Low	Response	Hazard Undetermined	Ongoing	State
418	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd	Low	Assessment	Hazard Undetermined	Inactive	State
419	Oahu	Honolulu	McKinley High School Synthetic Track and Field	NFA	Response	Hazard Managed with Engineering Controls	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 and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
420	Oahu	Honolulu	Miyazaki Honolulu Airport Service Station (Airways Service Station Inc)	Low	Assessment	Hazard Undetermined	Inactive	State
421	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing	State
422	Oahu	Honolulu	Navy MFH Camp Stover	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
423	Oahu	Honolulu	Navy MFH Catlin Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
424	Oahu	Honolulu	Navy MFH Doris Miller Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
425	Oahu	Honolulu	Navy MFH Hale Alii	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
426	Oahu	Honolulu	Navy MFH Hale Moku	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
427	Oahu	Honolulu	Navy MFH Halsey Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
428	Oahu	Honolulu	Navy MFH Hokulani	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
429	Oahu	Honolulu	Navy MFH Hospital Point	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
430	Oahu	Honolulu	Navy MFH Little Makalapa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
431	Oahu	Honolulu	Navy MFH Makalapa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
432	Oahu	Honolulu	Navy MFH Maloelap	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
433	Oahu	Honolulu	Navy MFH Marine Barracks	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
434	Oahu	Honolulu	Navy MFH Moanalua Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
435	Oahu	Honolulu	Navy MFH Ohana Military Communities ADMIN FILE	Medium	Response	Hazard Present	Ongoing	State
436	Oahu	Honolulu	Navy MFH Radford Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
437	Oahu	Honolulu	Navy MFH Red Hill Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
438	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing	State
439	Oahu	Honolulu	NOAA Daniel K. Inouye Regional Center	Low	Assessment	Hazard Undetermined	Ongoing	State

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440	Oahu	Honolulu	Nuuanu Auto Company LTD	Low	Assessment	Hazard Undetermined	Ongoing	State
441	Oahu	Honolulu	Parking Lot C and J Transformer Replacement	Low	Response	Hazard Undetermined	Ongoing	State
442	Oahu	Honolulu	PHT, Inc. dba Polynesian Hospitality	Low	Response	Hazard Undetermined	Inactive	State
443	Oahu	Honolulu	Pier 12 and Pier 15 Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
444	Oahu	Honolulu	Pier 20 Dredge Project, Honolulu Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State
445	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Hazard Present	Ongoing	State
446	Oahu	Honolulu	Punahou School Grades 2-5 Project	Medium	Response	Hazard Present	Ongoing	State
447	Oahu	Honolulu	Punahou School Winne Units C and D	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
448	Oahu	Honolulu	Ritz Carlton Waikiki Residence & Resort	Medium	Response	Hazard Present	Ongoing	State
449	Oahu	Honolulu	Roosevelt High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
450	Oahu	Honolulu	Sand Island Access Road Areawide Petroleum Release	Medium	Assessment	Hazard Undetermined	Ongoing	State
451	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing	State
452	Oahu	Honolulu	Servco Pacific, Inc- Kalihi	Low	Assessment	Hazard Undetermined	Inactive	State
453	Oahu	Honolulu	Shidler College of Business Site Improvements	Low	Assessment	Hazard Undetermined	Inactive	State
454	Oahu	Honolulu	Symphony Park	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
455	Oahu	Honolulu	Tesoro Hawaii Corporation, Terminal Department-Sand Island	Medium	Response	Hazard Present	Ongoing	State
456	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Inactive	State
457	Oahu	Honolulu	UH Manoa Henke Hall		Response	Hazard Present	Ongoing	State
458	Oahu	Honolulu	University of Hawaii Interchange	Low	Assessment	Hazard Undetermined	Ongoing	State
459	Oahu	Honolulu	University of Hawaii Marine Center Relocation Area Piers 34 and 35	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
460	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive	State
461	Oahu	Honolulu	Wallys Garden Center	Low	Assessment	Hazard Present	Inactive	State
462	Oahu	Honolulu	Ward Center Parking Lot	Medium	Response	Hazard Present	Ongoing	State
463	Oahu	Honolulu	Weyerhaeuser	High	Response	Hazard Managed with Engineering Controls	Inactive	State
464	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Hazard Present	Ongoing	State

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465	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Hazard Undetermined	Ongoing	State
466	Oahu	Honolulu	Young Brothers, Ltd Piers 24-28	Medium	Response	Hazard Present	Ongoing	State
467	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Assessment	Hazard Undetermined	Ongoing	State
468	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
469	Oahu	Kahuku	Kahuku Arsenic Property	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
470	Oahu	Kahuku	Kahuku Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
471	Oahu	Kahuku	Marconi Road - Contaminated Property	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
472	Oahu	Kahuku	Turtle Bay Conservation Easement	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
473	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing	State
474	Oahu	Kailua	Countryside Apartments	High	Response	Hazard Present	Ongoing	Fast Track
475	Oahu	Kailua	GTE Kailua Baseyard	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
476	Oahu	Kailua	Hawaii Youth Correctional Facility	Low	Assessment	Hazard Present	Ongoing	State
477	Oahu	Kailua	Honolulu Skeet Club	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
478	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road	Low	Response	Hazard Undetermined	Ongoing	State
479	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
480	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Hazard Managed with Engineering Controls	Inactive	State
481	Oahu	Kaneohe	Hawaii State Hospital Goddard Building Pesticide Contamination	NFA	Response	No Hazard	NFA	State
482	Oahu	Kaneohe	Koolau Chevron	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
483	Oahu	Kaneohe MCBH	Marines MFH MCBH Hana Like	Medium	Assessment	Hazard Undetermined	Ongoing	State
484	Oahu	Kaneohe MCBH	Marines MFH MCBH Hawaii Loa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
485	Oahu	Kaneohe MCBH	Marines MFH MCBH Heleloa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
486	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaluapuni	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
487	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaneohe ADMIN FILE	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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488	Oahu	Kaneohe MCBH	Marines MFH MCBH Kapoho	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
489	Oahu	Kaneohe MCBH	Marines MFH MCBH Mololani	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
490	Oahu	Kaneohe MCBH	Marines MFH MCBH Nani Ulupau	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
491	Oahu	Kaneohe MCBH	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
492	Oahu	Kaneohe MCBH	Marines MFH MCBH Ulupau	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
493	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Manning	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
494	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Mokapu Court	Medium	Assessment	Hazard Undetermined	Ongoing	State
495	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu NCO Row	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
496	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Rainbow	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
497	Oahu	Kapolei	Barge Harbor Soil Contamination	Medium	Assessment	Hazard Undetermined	Inactive	State
498	Oahu	Kapolei	Campbell Industrial Park Areawide Stream/Canal Sediment Study	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
499	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery Tank Sludge	Medium	Assessment	Hazard Undetermined	Inactive	State
500	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive	State
501	Oahu	Kapolei	CoVan Warehouse	Low	Response	Hazard Present	Inactive	State
502	Oahu	Kapolei	D.R. Horton	Low	Assessment	Hazard Undetermined	Ongoing	State
503	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Inactive	Brownfields
504	Oahu	Kapolei	Grace Pacific Corporation - Grace Pacific Precast, Inc.	NFA	Assessment	No Hazard	NFA	State
505	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive	State
506	Oahu	Kapolei	Hawaiian Western Steel Dump	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
507	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive	State
508	Oahu	Kapolei	Malakole Street Trash Site	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
509	Oahu	Kapolei	Tileco, Inc	Medium	Response	Hazard Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
510	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Ongoing	State
511	Oahu	Kunia	Del Monte Corporation Oahu Plantation	Low	Response	Hazard Managed with Engineering Controls	Ongoing	NPL
512	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present	Ongoing	State
513	Oahu	Kunia	Kunia Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
514	Oahu	Kunia	Kunia Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
515	Oahu	Mali	84-Acre Portion of the Former Voice of America Site	Low	Response	Hazard Undetermined	Ongoing	State
516	Oahu	Mali	Ka Pua Learning Center	Low	Assessment	Hazard Undetermined	Ongoing	State
517	Oahu	Makaha	Makaha Valley Redevelopment	Low	Assessment	Hazard Undetermined	Ongoing	State
518	Oahu	Makakilo	Grace Pacific Corporation - Makakilo Quarry	Low	Assessment	Hazard Undetermined	Ongoing	State
519	Oahu	Mililani	Mililani Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
520	Oahu	Mililani	Unocal SS #7587	Low	Assessment	Hazard Undetermined	Ongoing	State
521	Oahu	Pearl City	406 Kamehameha Highway	Medium	Assessment	Hazard Present	Ongoing	State
522	Oahu	Pearl City	HART Banana Patch	Medium	Assessment	Hazard Undetermined	Ongoing	State
523	Oahu	Pearl City	HECO Generating Station: Waiau	Medium	Response	Hazard Present	Ongoing	State
524	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Present	Ongoing	State
525	Oahu	Pearl City	HECO Waiau Generating Station Unit 5 PCB Cleanup	Medium	Response	Hazard Present	Inactive	State
526	Oahu	Pearl City	Marines MFH Manana	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
527	Oahu	Pearl City	Navy MFH Manana	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
528	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
529	Oahu	Pearl City	Noble's Auto Transmission	Low	Response	Hazard Present	Ongoing	State
530	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
531	Oahu	Pearl City	RHS Lee	Low	Assessment	Hazard Undetermined	Ongoing	State
532	Oahu	Pearl City	RHS Lee Baseyard Northern Area	Low	Response	Hazard Undetermined	Ongoing	State
533	Oahu	Pearl City	RHS Lee Baseyard Southern Area	Low	Response	Hazard Undetermined	Ongoing	State
534	Oahu	Pearl City	RHS Lee Baseyard Western Area	NFA	Response	No Hazard	NFA	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
535	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Hazard Undetermined	Ongoing State
536	Oahu	Pearl City	Waimano Home Campus	Low	Assessment	Hazard Managed with Engineering Controls	Inactive Brownfields Site
537	Oahu	Pearl Harbor	Pearl Harbor Naval Complex	Medium	Response	Hazard Undetermined	Ongoing NPL
538	Oahu	Pearl Harbor	Pearl Harbor Sediment Study DU E-2	High	Assessment	Hazard Present	Ongoing State
539	Oahu	Sand Island	Former Bills Crane Service Inc	Low	Assessment	Hazard Undetermined	Ongoing State
540	Oahu	Schofield Barracks	Army MFH SB Akolea	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
541	Oahu	Schofield Barracks	Army MFH SB Aloala	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
542	Oahu	Schofield Barracks	Army MFH SB Canby	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
543	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
544	Oahu	Schofield Barracks	Army MFH SB Hamilton	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
545	Oahu	Schofield Barracks	Army MFH SB Kaena	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
546	Oahu	Schofield Barracks	Army MFH SB Leader Field	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
547	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
548	Oahu	Schofield Barracks	Army MFH SB Moyer	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
549	Oahu	Schofield Barracks	Army MFH SB Patriot	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
550	Oahu	Schofield Barracks	Army MFH SB Porter	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
551	Oahu	Schofield Barracks	Army MFH SB Ralston	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
552	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
553	Oahu	Schofield Barracks	Army MFH SB Solomon	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
554	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Medium	Response	Hazard Managed with Engineering Controls	Ongoing State
555	Oahu	Wahiawa	Del Monte Wahiawa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing Site Discovery

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2018

	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
556	Oahu	Wahiawa	Dole Company Wahiawa Pesticide Mixing Area	Medium	Response	Hazard Present	Ongoing	Site Discovery
557	Oahu	Wahiawa	Leilehua High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
558	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
559	Oahu	Wahiawa	NCTAMSPAC Center Street	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	NPL
560	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Assessment	Hazard Managed with Engineering Controls	Ongoing	VRP
561	Oahu	Waialua	Waialua Sugar Mill VRP Site	High	Response	Hazard Present	Ongoing	VRP
562	Oahu	Waianae	Grace Pacific Farrington Highway Waianae	Low	Assessment	Hazard Undetermined	Ongoing	State
563	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing	State
564	Oahu	Waianae	Waianae Elementary School diesel UST	Low	Assessment	Hazard Present	Ongoing	State
565	Oahu	Waianae	Waianae High School Outdoor Air Rifle Range	Low	Response	Hazard Undetermined	Ongoing	State
566	Oahu	Waianae	Waianae Sugar Company Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
567	Oahu	Waimanalo	Air Force MFH Bellows Renovation	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
568	Oahu	Waimanalo	University of Hawaii, Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive	State
569	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive	State
570	Oahu	Waimanalo	Waimanalo Sugar Company PMA	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
571	Oahu	Waipahu	94-250 Mokuola St	Low	Assessment	Hazard Present	Ongoing	State
572	Oahu	Waipahu	Clover Sinkers Lead Weight Manufacturing	Medium	Response	Hazard Present	Ongoing	State
573	Oahu	Waipahu	Hans Metals	Low	Response	Hazard Undetermined	Ongoing	State
574	Oahu	Waipahu	Lot 30 Former Waipahu Sugar Mill	NFA	Assessment	Hazard Managed with Institutional Controls	NFA	State





<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
1	Hawaii	Army, Corps of Engineers	FUDS Ammunition Storage Point No.2	Low	Assessment	Hazard Undetermined	Inactive	FUDS
2	Hawaii	Army, Corps of Engineers	FUDS Army Impact Range	Low	Assessment	Hazard Present	Ongoing	FUDS
3	Hawaii	Army, Corps of Engineers	FUDS Camp Furneaux (Olaa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
4	Hawaii	Army, Corps of Engineers	FUDS Cross Island Road (Mauna Kea)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
5	Hawaii	Army, Corps of Engineers	FUDS Firing Range and Camp, Lalamilo, Hawaii	High	Response	Hazard Present	Ongoing	FUDS
6	Hawaii	Army, Corps of Engineers	FUDS General Lyman Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
7	Hawaii	Army, Corps of Engineers	FUDS Ka'u Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
8	Hawaii	Army, Corps of Engineers	FUDS Kaumana Camp (Hilo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
9	Hawaii	Army, Corps of Engineers	FUDS Keaau Bombing Target	Low	Assessment	Hazard Present	Ongoing	FUDS
10	Hawaii	Army, Corps of Engineers	FUDS Kilauea Military Camp (Hawaii Volcanoes National Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
11	Hawaii	Army, Corps of Engineers	FUDS Kinoole Camp (Waiakea)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
12	Hawaii	Army, Corps of Engineers	FUDS Mahukona Range	Low	Assessment	Hazard Present	Ongoing	FUDS
13	Hawaii	Army, Corps of Engineers	FUDS Nansay Hawaii	Low	Assessment	Hazard Present	Ongoing	FUDS
14	Hawaii	Army, Corps of Engineers	FUDS Pakini Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
15	Hawaii	Army, Corps of Engineers	FUDS Popoki Target Area	NFA	Response	Hazard Managed With Institutional Controls	NFA	FUDS

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
16	Hawaii	Army, Corps of Engineers	FUDS Quartermaster Bakery (Kamuela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
17	Hawaii	Army, Corps of Engineers	FUDS Upolu Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
18	Hawaii	Army, Corps of Engineers	FUDS Wahine Maka Nui Target	Low	Assessment	Hazard Present	Ongoing	FUDS
19	Hawaii	Army, Corps of Engineers	FUDS Waiakea Forest Reserve	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
20	Hawaii	Army, Corps of Engineers	FUDS Waiakea Storage Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
21	Hawaii	Army, Corps of Engineers	FUDS Waianuenue Camp (Hilo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
22	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area	Medium	Response	Hazard Present	Ongoing	FUDS
23	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 15	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
24	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 16 A, B, C, D, E	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
25	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 17 A, B, C, E, F	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
26	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 17 D	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
27	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area A	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
28	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area B	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
29	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area C	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
30	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area D	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
31	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area E	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
32	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area F	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
33	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area G	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
34	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area H	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
35	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area I	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
36	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area J	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
37	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area L	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
38	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area M	Medium	Response	Hazard Present	Ongoing	DSMOA
39	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area N	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
40	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area O	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
41	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area P	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
42	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area Q	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
43	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area R	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
44	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area S	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
45	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area T	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
46	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp	Low	Assessment	Hazard Undetermined	Ongoing	IRP
47	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
48	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
49	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
50	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Humuula Sheet Station West (PTA-001-R-01)	Medium	Assessment	Hazard Present	Ongoing	MMRP
51	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Kulani Boys' Home Burn Pile (PTA-002-R-02)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
52	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Pu'u Pa'a	Low	Response	Hazard Present	Ongoing	MMRP
53	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Vehicle Refueling Area	Low	Assessment	Hazard Undetermined	Inactive	MMRP
54	Johnston Atoll	Army, Johnston Atoll	Johnston Atoll, Pacific Ocean	Low	Assessment	Hazard Undetermined	Ongoing	Army
55	Kahoolawe	Navy, Marine Corps	Kahoolawe Island	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
56	Kauai	Air Force, Kokee Air Force Station	Kokee Air Force Station	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
57	Kauai	Army, Corps of Engineers	FUDS 1st Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
58	Kauai	Army, Corps of Engineers	FUDS Ahukini	Low	Assessment	Hazard Present	Ongoing	FUDS
59	Kauai	Army, Corps of Engineers	FUDS Anahola- Moloaa Artillery Impact Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
60	Kauai	Army, Corps of Engineers	FUDS Bonham Air Force Base	Low	Assessment	Hazard Undetermined	Inactive	FUDS
61	Kauai	Army, Corps of Engineers	FUDS Division Headquarters (Kalaheo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
62	Kauai	Army, Corps of Engineers	FUDS Eleele Quartermaster Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
63	Kauai	Army, Corps of Engineers	FUDS Grove Farm Artillery Range, Kauai	Low	Response	Hazard Managed With Engineering Controls	Ongoing	FUDS

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	<b>Island</b>	<b>Installation</b>	<b>Site Name</b>	<b>Priority</b>	<b>Action</b>	<b>Potential Hazards and Controls</b>	<b>Site Status</b>	<b>Cleanup Program</b>
64	Kauai	Army, Corps of Engineers	FUDS Kapaa Division Training Camp	Low	Assessment	Hazard Undetermined	Inactive	FUDS
65	Kauai	Army, Corps of Engineers	FUDS Kauai Amphibious Training Center	Low	Assessment	Hazard Undetermined	Inactive	FUDS
66	Kauai	Army, Corps of Engineers	FUDS Kekaha Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
67	Kauai	Army, Corps of Engineers	FUDS Kekaha School Lot	Low	Assessment	Hazard Undetermined	Inactive	FUDS
68	Kauai	Army, Corps of Engineers	FUDS Koloa Bakery	Low	Assessment	Hazard Undetermined	Inactive	FUDS
69	Kauai	Army, Corps of Engineers	FUDS Koloa Ice Plant	Low	Assessment	Hazard Undetermined	Inactive	FUDS
70	Kauai	Army, Corps of Engineers	FUDS Puulani Radar Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
71	Kauai	Army, Corps of Engineers	FUDS Wailua Aeroplane Landing Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
72	Kauai	Army, Corps of Engineers	FUDS Wailua Rifle Range	Low	Assessment	Hazard Undetermined	Inactive	FUDS
73	Kauai	Army, Corps of Engineers	FUDS Waimea Crash Boat Base	Low	Assessment	Hazard Undetermined	Inactive	FUDS
74	Kauai	Army, Corps of Engineers	FUDS Waimea School	Low	Assessment	Hazard Undetermined	Inactive	FUDS
75	Kauai	Army, Corps of Engineers	FUDS Waimea Training Site	Medium	Assessment	Hazard Present	Ongoing	FUDS
76	Kauai	Navy, Pacific Missile Range Facility	Pacific Missile Range Facility	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
77	Kauai	Navy, Pacific Missile Range Facility	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard Undetermined	Ongoing	IRP
78	Kauai	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard Undetermined	Inactive	IRP
79	Kauai	Navy, Pacific Missile Range Facility	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined	Inactive	IRP
80	Kauai	Navy, Pacific Missile Range Facility	PMRF, Landfills 5, 6, &7	Medium	Response	Hazard Undetermined	Ongoing	IRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
81	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Hulopoe Bay	Medium	Assessment	Hazard Present	Ongoing	FUDS
82	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Kaena Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
83	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Keanapapa Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
84	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Manele Bay	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
85	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
86	Lanai	Army, Corps of Engineers	FUDS Lanai Radar Station	Low	Response	Hazard Present	Ongoing	FUDS
87	Maui	Army, Corps of Engineers	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present	Ongoing	FUDS
88	Maui	Army, Corps of Engineers	FUDS Haleakala Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
89	Maui	Army, Corps of Engineers	FUDS Kailua Radar System (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
90	Maui	Army, Corps of Engineers	FUDS Kane Puu Naval Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
91	Maui	Army, Corps of Engineers	FUDS Makawao Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
92	Maui	Army, Corps of Engineers	FUDS Marine Combat Course (Pauwela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
93	Maui	Army, Corps of Engineers	FUDS Marine Maneuver Area (Keanae)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
94	Maui	Army, Corps of Engineers	FUDS Marine Oil Storage (Haiku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
95	Maui	Army, Corps of Engineers	FUDS Marine Training Activities (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
96	Maui	Army, Corps of Engineers	FUDS Maui Airport, Puunene Landfill	Low	Response	Hazard Undetermined	Ongoing	DSMOA
97	Maui	Army, Corps of Engineers	FUDS Maui Combat Base Training (Ulupalakua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
98	Maui	Army, Corps of Engineers	FUDS Naval Air Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
99	Maui	Army, Corps of Engineers	FUDS Navy Military Activities	Low	Assessment	Hazard Undetermined	Inactive	FUDS
100	Maui	Army, Corps of Engineers	FUDS Navy Military Reservation (Kahului)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
101	Maui	Army, Corps of Engineers	FUDS Opana Point	Medium	Response	Hazard Present	Ongoing	FUDS
102	Maui	Army, Corps of Engineers	FUDS Peahi Marine Firing Range	Low	Assessment	Hazard Undetermined	Inactive	FUDS
103	Maui	Army, Corps of Engineers	FUDS The Tradewinds (Paia)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
104	Maui	Army, Corps of Engineers	FUDS Waipio Bombing Targets (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
105	Maui	Army, Corps of Engineers	HIARNG, Kanaio Local Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
106	Molokai	Army, Corps of Engineers	FUDS Ilio Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
107	Molokai	Army, Corps of Engineers	FUDS Ilio Point Annex	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
108	Molokai	Army, Corps of Engineers	FUDS Makanalua Bombing Range	Low	Response	Hazard Present	Ongoing	FUDS
109	Molokai	Army, Corps of Engineers	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
110	Molokai	Army, Corps of Engineers	FUDS Molokai Bombing Targets - Punakua	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
111	Molokai	Army, Corps of Engineers	FUDS Moomomi Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
112	Molokai	Army, Corps of Engineers	FUDS Papohaku Ranchland Subdivision	High	Response	Hazard Managed With Institutional Controls	Ongoing	FUDS
113	Molokai	Army, Corps of Engineers	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present	Ongoing	FUDS

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
114	Oahu	Agriculture	FUDS Waimanalo Training Center	Low	Assessment	Hazard Undetermined	Inactive	FUDS
115	Oahu	Air Force	Wheeler Default Sites	Low	Assessment	Hazard Undetermined	Ongoing	IRP
116	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined	Ongoing	IRP
117	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large Bomb Range	Low	Assessment	Hazard Present	Ongoing	MMRP
118	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
119	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present	Ongoing	MMRP
120	Oahu	Air Force, Bellows Air Force Station	Bellows Air Force Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
121	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
122	Oahu	Air Force, Fort Kamehameha	Hickam AFB ST20, Subsite F-708	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
123	Oahu	Air Force, Hickam Air Force Base	Building 2030 Engine Wash Rack, AOC EA69	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
124	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC EA22, Wash Racks/Bldg 2025 and near Bldg 1055	Low	Assessment	Hazard Undetermined	Inactive	IRP
125	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
126	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA11 Old HIANG Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
127	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Building 1204	Low	Assessment	Hazard Undetermined	Inactive	IRP
128	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Free Petroleum Hydrocarbon Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	Mil
129	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, Former Skeet Ranges	Low	Response	Hazard Present	Ongoing	MMRP



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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
130	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, MRS TS001 Hickam Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
131	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
132	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
133	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Hazard Present	Ongoing	MMRP
134	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present	Ongoing	MMRP
135	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS156J, POL Valve Pit J	NFA	Response	No Hazard	NFA	IRP
136	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST01, 922A	Low	Response	Hazard Undetermined	Ongoing	DSMOA
137	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, 3190B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
138	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-503	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
139	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-525	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
140	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-526	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
141	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-528	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
142	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-530	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
143	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-531	Low	Assessment	Hazard Undetermined	Ongoing	IRP
144	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-540	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
145	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
146	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
147	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
148	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
149	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
150	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
151	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-548	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
152	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
153	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
154	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-552FK	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
155	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-554FK	Low	Assessment	Hazard Undetermined	Ongoing	IRP
156	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-558	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
157	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-563A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
158	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-703	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
159	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-704	Low	Assessment	Hazard Undetermined	Ongoing	IRP
160	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-705	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
161	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-707	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
162	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-709	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
163	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-711	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
164	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-712	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
165	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-713	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
166	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-715	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
167	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-721	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
168	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-752	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
169	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Hickam Runway USTs & Cesspools	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
170	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, F-126A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
171	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 215	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
172	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 940	Low	Response	Hazard Present	Ongoing	IRP
173	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, East of Building 1046	Low	Assessment	Hazard Undetermined	Ongoing	IRP
174	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1113	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
175	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1132	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
176	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Vickers Avenue USTs	Medium	Response	Hazard Present	Ongoing	IRP
177	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Clean Water Rinse Facility	Low	Assessment	Hazard Present	Ongoing	IRP
178	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, F-180	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
179	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Subsite 2184	Low	Response	Hazard Present	Ongoing	DSMOA
180	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-17-2105	Low	Assessment	Hazard Undetermined	Ongoing	IRP
181	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-1808	Low	Assessment	Hazard Undetermined	Ongoing	IRP
182	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-20-2105	Low	Assessment	Hazard Undetermined	Ongoing	IRP
183	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-21B	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
184	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1760 USTs	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
185	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 2072 UST	Low	Response	Hazard Present	Ongoing	IRP
186	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Subsurface Fuel Plume	Low	Assessment	Hazard Undetermined	Ongoing	IRP
187	Oahu	Air Force, Hickam Air Force Base	Hickam Former Building 2156 AST	Low	Assessment	Hazard Present	Ongoing	IRP
188	Oahu	Air Force, Hickam Air Force Base	Waiawa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined	Inactive	IRP
189	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point Satellite Tracking Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
190	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA06	Low	Assessment	Hazard Undetermined	Ongoing	IRP
191	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA08	Low	Assessment	Hazard Undetermined	Ongoing	IRP
192	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT501 Building 21	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
193	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT502	Low	Assessment	Hazard Undetermined	Ongoing	IRP
194	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT503	Low	Assessment	Hazard Undetermined	Ongoing	IRP
195	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS TU500	Low	Assessment	Hazard Undetermined	Ongoing	IRP
196	Oahu	Army	DOD US Army	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
197	Oahu	Army	FUDS Wailupe Impact Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
198	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	IRP
199	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation 1850 Aliamanu Drive	Low	Assessment	Hazard Undetermined	Ongoing	Army
200	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined	Inactive	IRP
201	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Kipapa Ammo Storage Tunnels	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
202	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Kipapa Ammo Storage Tunnels Legal Pesticide Application	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
203	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined	Ongoing	IRP

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<b>Island</b>	<b>Installation</b>	<b>Site Name</b>	<b>Priority</b>	<b>Action</b>	<b>Potential Hazards and Controls</b>	<b>Site Status</b>	<b>Cleanup Program</b>	
204	Oahu	Army, Corps of Engineers	FUDS 218th General Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
205	Oahu	Army, Corps of Engineers	FUDS 220th Signal Depot (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
206	Oahu	Army, Corps of Engineers	FUDS 230th Station Hospital (Kaneohe)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
207	Oahu	Army, Corps of Engineers	FUDS 26th Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	IRP
208	Oahu	Army, Corps of Engineers	FUDS 364th Ordnance Company	Low	Assessment	Hazard Undetermined	Inactive	FUDS
209	Oahu	Army, Corps of Engineers	FUDS 41st Coast Artillery Camp	Low	Assessment	Hazard Undetermined	Inactive	FUDS
210	Oahu	Army, Corps of Engineers	FUDS Aiea AAA Command Post	Low	Assessment	Hazard Undetermined	Inactive	FUDS
211	Oahu	Army, Corps of Engineers	FUDS Ala Wai Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
212	Oahu	Army, Corps of Engineers	FUDS Alewa Height Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
213	Oahu	Army, Corps of Engineers	FUDS Amphibious Training Camp	Low	Assessment	Hazard Undetermined	Inactive	FUDS
214	Oahu	Army, Corps of Engineers	FUDS Apollo Bore Site Tower	Low	Assessment	Hazard Undetermined	Inactive	FUDS
215	Oahu	Army, Corps of Engineers	FUDS Ashley Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
216	Oahu	Army, Corps of Engineers	FUDS Asphalt Plant (Wheeler)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
217	Oahu	Army, Corps of Engineers	FUDS Barbers Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
218	Oahu	Army, Corps of Engineers	FUDS Base Yard No. 6 (Waikiki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
219	Oahu	Army, Corps of Engineers	FUDS Battery Avery J. Cooper	Low	Assessment	Hazard Undetermined	Inactive	FUDS
220	Oahu	Army, Corps of Engineers	FUDS Battery Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

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221	Oahu	Army, Corps of Engineers	FUDS Battery Forrest J. French	Low	Assessment	Hazard Undetermined	Inactive	FUDS
222	Oahu	Army, Corps of Engineers	FUDS Battery George W. Ricker	Low	Assessment	Hazard Undetermined	Inactive	FUDS
223	Oahu	Army, Corps of Engineers	FUDS Battery Louis R. Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
224	Oahu	Army, Corps of Engineers	FUDS Battery Punchbowl	Low	Assessment	Hazard Undetermined	Inactive	FUDS
225	Oahu	Army, Corps of Engineers	FUDS Battery Selfridge (Fort Kamehameha)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
226	Oahu	Army, Corps of Engineers	FUDS Battery Willy (Waialae Iki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
227	Oahu	Army, Corps of Engineers	FUDS Brown's Camp Military Reservation (Ko Olina Resort)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
228	Oahu	Army, Corps of Engineers	FUDS Camp Beaumont (Nanakuli)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
229	Oahu	Army, Corps of Engineers	FUDS Campbell Gulch Ammunition Storage (Kunia)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
230	Oahu	Army, Corps of Engineers	FUDS Center Combat Range	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
231	Oahu	Army, Corps of Engineers	FUDS Coconut Island	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
232	Oahu	Army, Corps of Engineers	FUDS Damon Fish Ponds	Low	Assessment	Hazard Undetermined	Inactive	FUDS
233	Oahu	Army, Corps of Engineers	FUDS Damon Tract Shop Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
234	Oahu	Army, Corps of Engineers	FUDS Dawn Star System	Low	Assessment	Hazard Undetermined	Inactive	FUDS
235	Oahu	Army, Corps of Engineers	FUDS Diamond Head Ammunition Storage (Diamond Head Reservation)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
236	Oahu	Army, Corps of Engineers	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present	Ongoing	FUDS

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<b>Island</b>	<b>Installation</b>	<b>Site Name</b>	<b>Priority</b>	<b>Action</b>	<b>Potential Hazards and Controls</b>	<b>Site Status</b>	<b>Cleanup Program</b>	
237	Oahu	Army, Corps of Engineers	FUDS Dillingham Base Yard	Low	Assessment	Hazard Undetermined	Inactive	FUDS
238	Oahu	Army, Corps of Engineers	FUDS Dillingham Storage Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
239	Oahu	Army, Corps of Engineers	FUDS Dr. Simon's Projects (Various Locations)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
240	Oahu	Army, Corps of Engineers	FUDS Drum Fill Plant (Kipapa Gulch)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
241	Oahu	Army, Corps of Engineers	FUDS Engineer Power Plants	Low	Assessment	Hazard Undetermined	Inactive	FUDS
242	Oahu	Army, Corps of Engineers	FUDS Ewa Beach Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
243	Oahu	Army, Corps of Engineers	FUDS Ewa Church Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
244	Oahu	Army, Corps of Engineers	FUDS Ewa Storage Tank (Pearl City)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
245	Oahu	Army, Corps of Engineers	FUDS Former Naval Ammunition Depot (NAD) Lualualei	Low	Assessment	Hazard Undetermined	Inactive	FUDS
246	Oahu	Army, Corps of Engineers	FUDS Former Navy Supply Center	Low	Assessment	Hazard Undetermined	Inactive	FUDS
247	Oahu	Army, Corps of Engineers	FUDS Fort Armstrong Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
248	Oahu	Army, Corps of Engineers	FUDS Fort Hase Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
249	Oahu	Army, Corps of Engineers	FUDS Fort Kamehameha	Low	Assessment	Hazard Undetermined	Inactive	FUDS
250	Oahu	Army, Corps of Engineers	FUDS Haiku Radio Station	High	Response	Hazard Present	Ongoing	FUDS
251	Oahu	Army, Corps of Engineers	FUDS Heeia Combat Training Camp	High	Response	Hazard Present	Ongoing	DSMOA
252	Oahu	Army, Corps of Engineers	FUDS Kahuku Training Area	Low	Assessment	Hazard Present	Ongoing	FUDS
253	Oahu	Army, Corps of Engineers	FUDS Kaukonahua Storage Annex (Waipio)	Low	Assessment	Hazard Undetermined	Inactive	FUDS



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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
254	Oahu	Army, Corps of Engineers	FUDS Keaahala Military Reservation (Kaneohe District Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
255	Oahu	Army, Corps of Engineers	FUDS Kewalo Basin Gun Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
256	Oahu	Army, Corps of Engineers	FUDS Kipapa Ammunition Storage Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
257	Oahu	Army, Corps of Engineers	FUDS Koko Crater Radar Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
258	Oahu	Army, Corps of Engineers	FUDS Koko Head Medical Center (Koko Head District Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
259	Oahu	Army, Corps of Engineers	FUDS Kokololio Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
260	Oahu	Army, Corps of Engineers	FUDS Kualoa Airfield	Low	Assessment	Hazard Undetermined	Inactive	FUDS
261	Oahu	Army, Corps of Engineers	FUDS Kuwili Park Military Reservation (Iwilei)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
262	Oahu	Army, Corps of Engineers	FUDS Laie Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
263	Oahu	Army, Corps of Engineers	FUDS Makapuu Light House	Low	Assessment	Hazard Present	Ongoing	FUDS
264	Oahu	Army, Corps of Engineers	FUDS Makapuu Point Radar Station/Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
265	Oahu	Army, Corps of Engineers	FUDS Marconi Impact Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
266	Oahu	Army, Corps of Engineers	FUDS Marine Reservation (Kula)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
267	Oahu	Army, Corps of Engineers	FUDS Nike No. 1 (Dillingham Military Reservation)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
268	Oahu	Army, Corps of Engineers	FUDS Nike Sites 3 & 4 (Bellows AFS)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
269	Oahu	Army, Corps of Engineers	FUDS Oahu Target Island	Medium	Response	Hazard Managed With	Ongoing	DSMOA

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
270	Oahu	Army, Corps of Engineers	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Institutional Controls Hazard Present	Ongoing	FUDS
271	Oahu	Army, Corps of Engineers	FUDS Overseas Assembly Yard	Low	Assessment	Hazard Undetermined	Inactive	FUDS
272	Oahu	Army, Corps of Engineers	FUDS Pacific Jungle Combat Training Area	High	Response	Hazard Present	Ongoing	FUDS
273	Oahu	Army, Corps of Engineers	FUDS Puuiki Military Reservation (Waialua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
274	Oahu	Army, Corps of Engineers	FUDS Puuloa Road	Low	Assessment	Hazard Undetermined	Inactive	FUDS
275	Oahu	Army, Corps of Engineers	FUDS Puuloa-Ex NAS Barbers Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
276	Oahu	Army, Corps of Engineers	FUDS Puu-O-Hulu Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
277	Oahu	Army, Corps of Engineers	FUDS Quartermaster Battalion (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
278	Oahu	Army, Corps of Engineers	FUDS Rabbit Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
279	Oahu	Army, Corps of Engineers	FUDS Range D-400-L	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
280	Oahu	Army, Corps of Engineers	FUDS Red Hill Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
281	Oahu	Army, Corps of Engineers	FUDS Round Top Military Reservation (Makiki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
282	Oahu	Army, Corps of Engineers	FUDS Sacred Hearts Academy	Low	Assessment	Hazard Undetermined	Inactive	FUDS
283	Oahu	Army, Corps of Engineers	FUDS Sand Island Asphalt Plant	Low	Assessment	Hazard Undetermined	Inactive	FUDS
284	Oahu	Army, Corps of Engineers	FUDS Sand Island Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
285	Oahu	Army, Corps of Engineers	FUDS Site 3 Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS

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286	Oahu	Army, Corps of Engineers	FUDS Site 3A Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS
287	Oahu	Army, Corps of Engineers	FUDS St. Louis College (Kalaepohaku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
288	Oahu	Army, Corps of Engineers	FUDS Sugar Loaf Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
289	Oahu	Army, Corps of Engineers	FUDS Transportation Service Area No. 1 (Downtown)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
290	Oahu	Army, Corps of Engineers	FUDS Underground Fuel Storage (Red Hill)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
291	Oahu	Army, Corps of Engineers	FUDS Wahiawa School	Low	Assessment	Hazard Undetermined	Inactive	FUDS
292	Oahu	Army, Corps of Engineers	FUDS Waianae Aircraft Warning Service (AWS)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
293	Oahu	Army, Corps of Engineers	FUDS Waianae Amphibious Training (Waianae Kai)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
294	Oahu	Army, Corps of Engineers	FUDS Waiau Drum Storage	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
295	Oahu	Army, Corps of Engineers	FUDS Waiawa Gulch Aviation Supply (Pearl City Industrial Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
296	Oahu	Army, Corps of Engineers	FUDS Waiawa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
297	Oahu	Army, Corps of Engineers	FUDS Wailua Artillery Impact Area	Medium	Assessment	Hazard Present	Ongoing	FUDS
298	Oahu	Army, Corps of Engineers	FUDS Wailua Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
299	Oahu	Army, Corps of Engineers	FUDS Waimea Bay Gun Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
300	Oahu	Army, Corps of Engineers	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present	Ongoing	FUDS
301	Oahu	Army, Corps of Engineers	FUDS Waipio Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
302	Oahu	Army, Corps of Engineers	FUDS Waipio Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
303	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Manana)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
304	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Waiawa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
305	Oahu	Army, Corps of Engineers	FUDS Warehouse No. 3&4 (Honolulu)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
306	Oahu	Army, Corps of Engineers	FUDS Wilhelmina Rise Fire Control Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
307	Oahu	Army, Corps of Engineers	FUDS Yokohama Specie Bank Building	Low	Assessment	Hazard Undetermined	Inactive	FUDS
308	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
309	Oahu	Army, Dillingham Military Reservation	FUDS Battery Carroll G. Riggs (Waialua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
310	Oahu	Army, Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined	Inactive	IRP
311	Oahu	Army, Fort Shafter	Fort Shafter, DRILL Field, Pistol Range, and Rifle Ranges 1 & 2	Low	Response	Hazard Undetermined	Ongoing	MMRP
312	Oahu	Army, Kapalama Military Reservation	Former Kapalama Military Reservation Piers 39 and 40 Pipelines	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
313	Oahu	Army, Kapalama Military Reservation	FUDS Kahuku Airfield Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
314	Oahu	Army, Kapalama Military Reservation	Kapalama Military Reservation South Oahu Location	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
315	Oahu	Army, Kunia Military Reservation	Kunia Field Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
316	Oahu	Army, Kunia Military Reservation	Kunia Field Station at Kunia Gate	Low	Assessment	Hazard Undetermined	Ongoing	IRP
317	Oahu	Army, Kunia Military Reservation	Kunia Field Station, Microwave Tower & Building 25	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
318	Oahu	Army, Makua Military Reservation	Makua Military Reservation	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
319	Oahu	Army, Makua Military Reservation	MMRP MAKU-004-R-01	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
320	Oahu	Army, Pokai Bay	Ordnance Reef Site HI-06	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
321	Oahu	Army, Schofield Barracks	Building Quad-J	Low	Assessment	Hazard Undetermined	Ongoing	Army
322	Oahu	Army, Schofield Barracks	Schofield Barracks	Low	Assessment	Hazard Undetermined	Ongoing	IRP
323	Oahu	Army, Schofield Barracks	Schofield Barracks NCO Academy Building 6055	Low	Assessment	Hazard Undetermined	Ongoing	IRP
324	Oahu	Army, Schofield Barracks	Schofield Barracks Site 26 Car Care	Low	Assessment	Hazard Undetermined	Inactive	IRP
325	Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
326	Oahu	Army, Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
327	Oahu	Army, Schofield Barracks	Schofield Barracks, UST NCO Academy Building	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
328	Oahu	Army, Tripler Army Medical Center	Tripler Building 144-145 UST	Low	Response	Hazard Undetermined	Ongoing	IRP
329	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield Building 218	Low	Response	Hazard Undetermined	Ongoing	DSMOA
330	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
331	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, 40mm Range	NFA	Assessment	Hazard Present	NFA	DSMOA
332	Oahu	Army, Wheeler Army Airfield, Directorate of Public Works	Waikakalaua Ammunitions Storage Tunnel MMRP WAST-002-R-03	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
333	Oahu	Defense, Defense Reutilization and Marketing Office	DRMO Manana Storage Area	High	Response	Hazard Undetermined	Ongoing	DSMOA
334	Oahu	Department of Parks and Recreation, Parks & Playgrounds	Waipio Soccer Complex	Low	Response	Hazard Undetermined	Ongoing	IRP
335	Oahu	f Defense, Hawaii Army National Guard	Hawaii Army National Guard Waiawa Gulch	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
336	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Auto Hobby Shop	Low	Assessment	Hazard Undetermined	Inactive	IRP
337	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Building 273	Low	Response	Hazard Undetermined	Ongoing	DSMOA
338	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy
339	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Dry Well Network	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
340	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Electrical Manholes	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
341	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Navy Public Works Center	Low	Response	Hazard Present	Ongoing	BRAC
342	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Ordy Pond	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
343	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Public Works Transportation Compound	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
344	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Regional Groundwater System	Low	Assessment	Hazard Undetermined	Inactive	BRAC
345	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Sanitary Landfill	High	Response	Hazard Present	Ongoing	IRP

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346	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS UST BP 19-20	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
347	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP
348	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined	Inactive	IRP
349	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined	Inactive	IRP
350	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Pearl City Fuel Annex	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
351	Oahu	Navy, Ford Island	Ford Island	High	Response	Hazard Undetermined	Ongoing	IRP
352	Oahu	Navy, Joint Base Command	PHNC, Sandblast Grit Disposal	High	Response	Hazard Present	Ongoing	IRP
353	Oahu	Navy, Joint Base Pearl Harbor Hickham (JBPHH)	JBPHH, Underground Storage Tank at Marine Barracks Building 285	Low	Assessment	Hazard Present	Ongoing	IRP
354	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
355	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 322 Motor Pool	Low	Assessment	Hazard Undetermined	Ongoing	IRP
356	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Facilities Department Salvage Yard	Low	Response	Hazard Undetermined	Ongoing	IRP
357	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformers F-678/678 Electrical Shop Site	High	Response	Hazard Managed With Engineering Controls	Ongoing	IRP

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358	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Ordnance Demolition Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
359	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-184	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
360	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-25	Low	Response	Hazard Undetermined	Ongoing	DSMOA
361	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-31	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
362	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-329S & KB-329V	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
363	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-4042	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
364	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-44	Low	Assessment	Hazard Undetermined	Inactive	IRP
365	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-49	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
366	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-73	Low	Assessment	Hazard Undetermined	Inactive	IRP
367	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MSBH, Aviation Supply Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
368	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA



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369	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay, Fire Fighting Training Area	Low	Response	Hazard Undetermined	Ongoing	IRP
370	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NAVCAM	Low	Assessment	Hazard Undetermined	Inactive	IRP
371	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMS- ADMIN	High	Response	Hazard Undetermined	Ongoing	IRP
372	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMSPAC Radio Transmitter Facility Lualualei	High	Response	Hazard Undetermined	Ongoing	IRP
373	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch Building 49 Transformer	Medium	Response	Hazard Undetermined	Ongoing	DSMOA
374	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Burning Pit MRS	Medium	Response	Hazard Present	Ongoing	DSMOA
375	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
376	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
377	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, West Loch Burning Pit	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

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378	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Naval Magazine Lualualei (Lualualei Branch)	Low	Assessment	Hazard Undetermined	Inactive	IRP
379	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
380	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
381	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Hazard Undetermined	Ongoing	IRP
382	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Hazard Undetermined	Ongoing	IRP
383	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
384	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
385	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
386	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present	Ongoing	MMRP
387	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
388	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Northern Munitions Response Sites	Medium	Response	Hazard Present	Ongoing	MMRP

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389	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
390	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Outlying Operations Area	High	Response	Hazard Undetermined	Ongoing	IRP
391	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Range MRS	Low	Response	Hazard Undetermined	Ongoing	MMRP
392	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present	Ongoing	IRP
393	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
394	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Pile MRS	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
395	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Small Arms Range II	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
396	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Stormwater and Sewage Systems	Low	Assessment	Hazard Undetermined	Ongoing	IRP
397	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Trap and Skeet Range MRS	Medium	Response	Hazard Undetermined	Ongoing	DSMOA
398	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present	Ongoing	IRP
399	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele Burn Pit/Disposal Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	IRP

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400	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, Contaminated Soil, Waipio	Medium	Assessment	Hazard Present	Ongoing	IRP
401	Oahu	Navy, Naval Magazine Lualualei (West Loch Branch)	Waipahu Incinerator/Ash Dump	Medium	Response	Hazard Present	Ongoing	IRP
402	Oahu	Navy, Naval Magazine Pearl Harbor	Naval Magazine Pearl Harbor MMRP	High	Assessment	Hazard Present	Ongoing	MMRP
403	Oahu	Navy, NAVCAMS EASTPAC	Opana (HI1170090053)	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
404	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Old Coral Pit	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
405	Oahu	Navy, NCTAMS Pacific	NCTAMS, Abandoned Firing Range	NFA	Response	No Hazard	NFA	IRP
406	Oahu	Navy, NCTAMS Pacific	NCTAMS, Antenna 354 Disposal Area	NFA	Assessment	No Hazard	NFA	IRP
407	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 4 Sump	NFA	Assessment	No Hazard	NFA	IRP
408	Oahu	Navy, NCTAMS Pacific	NCTAMS, East Gulch Disposal Site	Medium	Assessment	Hazard Present	Ongoing	IRP
409	Oahu	Navy, NCTAMS Pacific	NCTAMS, Site 18, Transformers 2, 234, and 420	Medium	Assessment	Hazard Present	Ongoing	IRP
410	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformer 420	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
411	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformer Building 262	NFA	Assessment	No Hazard	NFA	IRP
412	Oahu	Navy, NCTAMS Pacific	NCTAMS, Various Transformer Sites	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
413	Oahu	Navy, Pearl Harbor Naval Complex	Building 68 Electric Shop	Medium	Assessment	Hazard Undetermined	Inactive	IRP

<b>HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018</b>								
<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
414	Oahu	Navy, Pearl Harbor Naval Complex	Building 8 Pearl Harbor Naval Shipyard	Low	Assessment	Hazard Undetermined	Ongoing	IRP
415	Oahu	Navy, Pearl Harbor Naval Complex	Ford Island Landfill	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
416	Oahu	Navy, Pearl Harbor Naval Complex	Moanalua Shopping Center	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
417	Oahu	Navy, Pearl Harbor Naval Complex	Pearl City Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
418	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
419	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Base Subsurface Oil	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
420	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Fletragru Firetest Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
421	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
422	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
423	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
424	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
425	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Sediment Study	Medium	Assessment	Hazard Present	Ongoing	IRP
426	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
427	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Aiea Laundry Building 436	High	Response	Hazard Present	Ongoing	IRP
428	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
429	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
430	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP

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<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>	
431	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
432	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP
433	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP
434	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined	Inactive	IRP
435	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
436	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island, Building 79	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
437	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Low	Response	Hazard Undetermined	Ongoing	IRP
438	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
439	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449	Medium	Assessment	Hazard Present	Ongoing	IRP
440	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Little Makalapa Naval Housing Area, Portion Radford Drive & Kamehameha Hwy	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
441	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Underwater Munitions NDSA	Low	Response	Hazard Present	Ongoing	MMRP
442	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined	Inactive	IRP
443	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST BP-1	Low	Assessment	Hazard Present	Ongoing	IRP
444	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined	Inactive	IRP
445	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Various Transformer Sites	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP

**HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2018**

<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
446	Oahu	Navy, Pearl Harbor Naval Complex	USN Fleet Training Group	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
447	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Area north of Building 1754	NFA	Assessment	No Hazard	NFA IRP
448	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Present	Ongoing IRP
449	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Storm/Sanitary Sewer Drain	Low	Assessment	Hazard Undetermined	Inactive IRP
450	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined	Ongoing IRP
451	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined	Inactive IRP
452	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined	Inactive IRP
453	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST S932	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
454	Oahu	Navy, Public Works Center	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined	Ongoing IRP
455	Oahu	Navy, Public Works Center	PHPWC, Burn Area near Pearl City Peninsula	Medium	Assessment	Hazard Present	Ongoing IRP
456	Oahu	Navy, Public Works Center	PHPWC, Makalapa Landfill Area	Medium	Assessment	Hazard Present	Ongoing IRP
457	Oahu	Navy, Public Works Center	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined	Inactive IRP
458	Oahu	Navy, Public Works Center	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined	Inactive IRP
459	Oahu	Navy, Public Works Center	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined	Inactive IRP
460	Oahu	Navy, Public Works Center	PHPWC, Wastewater Treatment Plant Waste	Low	Assessment	Hazard Undetermined	Ongoing IRP
461	Oahu	Navy, Waipio Peninsula	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	High	Response	Hazard Managed With Engineering Controls	Ongoing IRP

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	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
462	Palmyra	Army, Corps of Engineers	FUDS Palmyra Naval Aviation Facility (Palmyra Atoll)	Low	Assessment	Hazard Undetermined	Ongoing	FUDS



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**END OF REPORT**