

**REPORT TO THE THIRTY-FIRST LEGISLATURE
STATE OF HAWAII
2021**

**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
FY2020**

**PREPARED BY:
DEPARTMENT OF HEALTH
STATE OF HAWAII
DECEMBER 2020**

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EXECUTIVE SUMMARY

REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND FOR FISCAL YEAR 2020

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 2020 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 FY2020.

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, 2018, 2019, and 2020 state that the tax was levied on 4.8, 5.6, 5.8, 7.9, and 5.9 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 FY2020 was \$1,248,675 which includes fossil fuel collections. Total revenue to the ERRF, including the ERT revenue, was \$2,063,431.

Budget and Expenditure

The 2020 legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency

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Response (HEER) Office. The state expended \$1,172,848 of the ERRF during FY20 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 2016, 2017, 2018, 2019 and 2020 ERT revenue was: \$1,236,065, \$1,287,966, \$1,266,898, \$1,290,770, and \$1,248,675 respectively. Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections.

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

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

Hawaii State Response Program Impacted by Federal Budget Cuts

Because ERRF funding does not fully support the state's response obligation, the HEER Office implements the environmental site identification, assessment, and cleanup program using combined ERRF, General Fund, and federal cooperative agreement funding. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FY2016 and FY2017 annual allocation dropped to \$936,300, and \$929,600 in FY2019 and FY2020 and then to \$849,600 for FFY2021. 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 FY2019 and FY2020 to \$275,000.

Grant funds available for FY22 and allocations for each state remain to be determined until EPA funding is

approved in the federal budget.. Future funding levels for PA/SI are also uncertain at this time.

Given COVID-19 related impacts on Hawaii's economy and the state's current projected budget shortfall of over \$1.5 billion, combined with decreased use of fossil fuels due to travel and operational restrictions, revenue projections for the fund are difficult to estimate at this time.

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 *FY2020 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 391 release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 275 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 934 active sites under direct DOH oversight in the various State programs. This includes 24 sites with known or suspected contamination that received No Further Action (NFA) determinations since the beginning of FY2020.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 527 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes five sites with known or suspected contamination that received NFA determinations.

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

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and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

Hawaii Department of Health Website

Additional information about DOH and its environmental programs is located at: <http://health.hawaii.gov/>. Specific information on the environmental programs may

be located through the 'Environmental Health' and 'Emergency Preparedness and Response' drop down menus on the front page, under Health and Safety Topics.

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

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

Environmental Response Revolving Fund (ERRF) Budget Report

The Chapter 128D, HRS, Environmental Response Law (HERL) annual report to the Thirty-First 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 FY2020, 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 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 FY2020 the legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and the HEER Office.

For FY2020 the state expended \$1,281,023 to the four programs. The operational expenses were for emergency and non-emergency environmental response contractors, salary and fringe benefits, travel, response training, standby and overtime pay, legal services, and Tier II Fees distributed to the county LEPCs.

ERRF Funding for Red Hill Bulk Fuel Facility Oversight Reimbursed by the Navy

Using ERRF funding, the Solid and Hazardous Waste and Branch (SHWB) and HEER Office make strategic use of expert consultants to assist with complex technical decision making on the oversight of the Navy and DLA's performance under the Administrative Order on Consent (AOC department docket 15-DOH-EA-01) that resulted from the 2014 release of 27,000 gallons of fuel from the facility. Built in the 1940's, Red Hill is the largest underground storage tank farm in the United States, consisting of 20 steel lined concrete tanks with a total capacity of 250 million gallons of fuel.

To date, the Navy has reimbursed DOH \$543,961.50 for DOH-contractor expenses incurred through FY2020. Various funds have been used to pay these charges, including the ERRF and the LUST Revolving Fund. The reimbursement to the ERRF for FY20 was \$128,149.70. To date, \$387,497.42 has been returned to the ERRF. Excess funds above the cap of \$1,363,895 are returned to the State General Fund.

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 Department of Taxation (DOTAX) Annual Reports for the fiscal years 2016, 2017, 2018, 2019, and 2020 state that the tax was

levied on 4.8, 5.6, 5.8, 7.9, and 5.9 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: \$1,236,065 (2015), \$1,287,966 (2016), \$1,266,898 (2017), \$1,290,770 (2018), \$1,338,582 (2019), and \$1,248,675 (2020). 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 – FY2020

HTH 849 and HTH 840	
ENVIRONMENTAL RESPONSE TAX	1,248,675
INVESTMENT POOL ACCOUNT	201,481
FEES, FILING OF CHEMICAL INVENTORY FORMS	133,929
FEES, VOLUNTARY RESPONSE ACTIONS	86,525
COST RECOVERY	259,347
REFUND/REIMBURSEMENT OF PRIOR PERIOD EXPENDITURES	930
VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS	51,700
VIOLATIONS OF HAZARDOUS WASTE REGULATIONS	10,268
VIOLATION OF WATER POLLUTION REGULATIONS	22,051
VIOLATION OF SOLID WASTE REGULATIONS	6,025
VIOLATIONS-DEPOSIT BEVERAGE CONTAINER PROGRAM	28,500
COMMUNITY NOISE CONTROL	14,000
TOTAL	<u>2,063,431</u>

Environmental Response Revolving Fund Expenditure – FY2020

HTH 849 and HTH 840

PERSONNEL	108,175
OPERATIONS	1,172,848
EQUIPMENT	-
TOTAL	<u>1,281,023</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 Thirty-First Legislature, State of Hawaii, 2021 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2020
- Amounts distributed during Fiscal Year 2020
- Projected collection for Fiscal Year 2021

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, 2020, 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.

Tier II Filing Fees Collected and Distributed – FY2020

FY 2020 Amount Collected	\$163,800
FY 2020 Amount Distributed (FY 2018 Collected Fees)	\$143,565
FY 2021 Projection of Fees to be Collected	\$163,800

County	Funds Distributed to LEPCs	Number of Qualifying Facilities		
		Non-Military Facilities	Military Facilities	Total Facilities
Honolulu	\$67,332	381	25	406
Hawaii	\$38,045	215	4	219
Maui	\$24,550	139	3	142
Kauai	\$13,639	77	4	81
Total	\$143,566	812	36	848

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

The HEER Office Mission

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

The Hawaii State Response Program

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

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

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

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

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

Essential Federal Funding Support to the HSRP

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

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

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

The HEER Office continues to receive funding from the EPA State Response Program (SRP) grant under Section 128(a) of the Small Business Liability Relief and Brownfields Revitalization Act (SBLRBRA) of 2002. This SRP grant provides crucial funds for staff salaries, capacity building, and program development activities. The SRP grant awards have been steadily declining from 2011. The SRP grant allocation for the past seven years were \$980,850 (2014), \$980,850 (2015), \$936,300 (2016), \$936,300 (2017), \$936,300 (2018), \$926,900

(2019), and \$926,900 (2020). The 2021 allocation for the current federal fiscal year was cut by \$77,000 to 849,600.

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. Each year, the HEER Office uses 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. This year, due to COVID-19 distancing and travel restrictions, field sampling was not feasible. Work is expected to resume in 2021.

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 FY2020, the state's reimbursement under DSMOA was \$418,147.

Modern Data Management and Hazard Tracking Tools

Residual contamination exists at hundreds of sites in Hawaii. Identifying these sites to ensure that unhealthy

exposures are not occurring is a shared responsibility of the HEER Office and the affected property owners. The HEER Office has converted many of its public records to electronic format to make them easily available to the public in accordance with Hawaii's Sunshine Law.

A HEER/UH MOA for Analytical Laboratory Service

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

Cost Recovery

Chapter 128D, HRS, provides legal authority to cost recover all ERRF expenses for DOH response actions. For FY 2020, the HEER Office and the Solid and Hazardous Waste Branch recovered \$345,872. 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, 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

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.

The COVID-19 pandemic brought challenges to the responses. Deemed essential workers, the SOSCs continued to prepare and respond to releases but insured to make responder health and safety of utmost priority. The goal is to have the best defense against exposure to the virus by utilizing personal protective equipment, maintaining physical distancing, and abiding by Center for Disease Control and Prevention guidelines.

In FY2020 HEER's SOSCs managed 391 release notifications and performed direct oversight on 147 of those cases.

Notable HEER Office responses during FY2020 include the following:

Case No. 20190919-1508

Brom-o-gas 2% Abandoned Cylinders

On September 19, 2019, seven Brom-o-gas 2% abandoned cylinders on City and County of Honolulu land were reported to the HEER Office. The cylinders contained 98% methyl bromide and 2% chloropicrin and were restricted-use pesticides no longer in use in Hawaii. After HEER securing the cylinders in a cage, the manufacturer, Great Lakes Chemical Corporation, took stewardship of the cylinders and packaged, shipped and disposed of them, saving the State and the County approximately \$40,000.00



Case No. 20200422-1500

Dean Foods/Meadow Gold Dairies Facility: Honolulu

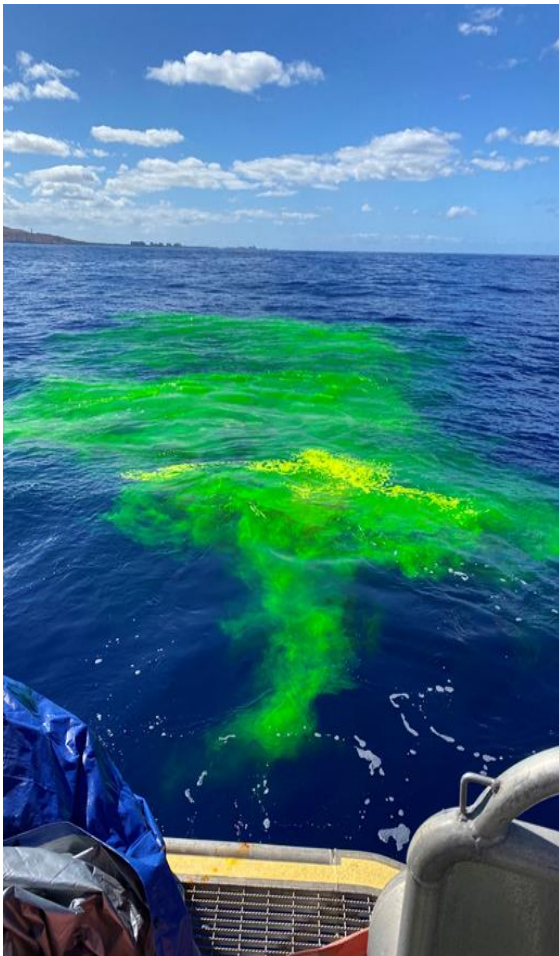
From April 22 till August 27, 2020, HEER oversaw the closure of Dean Foods/Meadow Gold Dairies Facility in Honolulu. Once Hawaii's largest milk processor, Meadow Gold stored and used hazardous materials that had to be removed/recycled/properly disposed during its facility closure. There were no releases of hazardous substances during its closure.



Case No. 20200701-0930

Drill Airborne Dispersant Deployment System/Fluorometer Exercise Drill

Between June 29 and July 2, 2020, the EP&R Section, participated in the annual Airborne Dispersant Delivery System Package (ADDs Pack) Training. The training involved filling the ADDs Pack with water, loading and unloading it into a United States Coast Guard (CG) C-130, and CG pilots flying and CG loadmasters spraying approximately three miles on the west side of Oahu. An addition to this exercise is a fluorometer on-water exercise with a newly purchased fluorometer.



Case No. 20190914-0052

Vessel Run Aground at Baby Makapu'u

Throughout the 2020 fiscal year, the HEER Office responded to over 30 cases dealing with grounded or sinking vessels along state shore and harbors. These vessels pose a risk to the environment through the release of fuel, engine oil, and other hazardous material such as marine batteries. The HEER Office routinely works with the U.S. Coast Guard and various other State agencies to respond and remove the vessels if necessary. The following are two examples of those responses.

On September 13, 2019, a vessel ran aground late at night at the Makapu'u tide pool area. When crews arrived early the next morning the vessel was on the rocks and fuel tank was destroyed. A sight assessment was conducted, and the vessel was removed with State oversight.



Case No. 20200321-1755

Vessel Aground Near Outrigger Reef Hotel

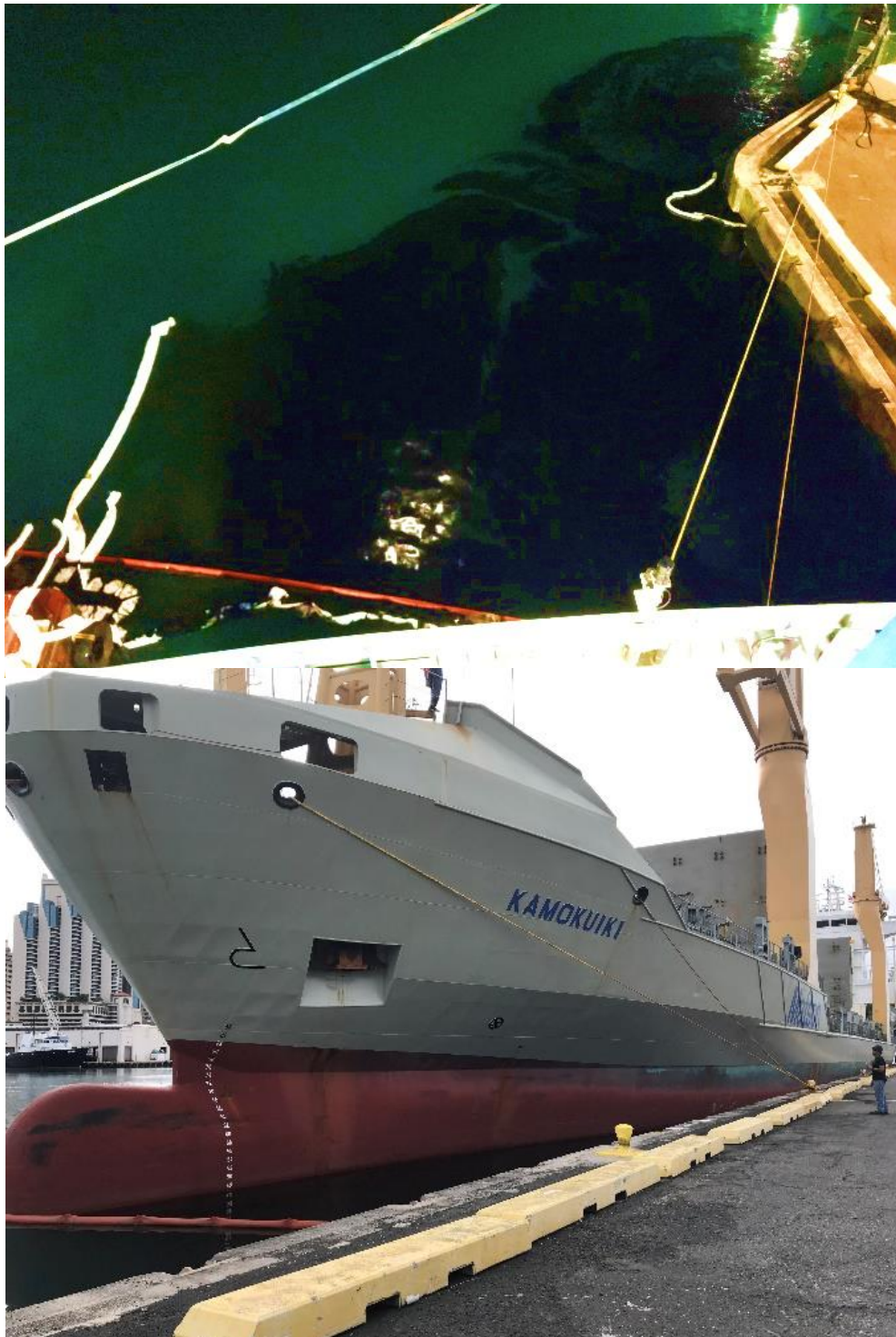
On March 21, 2020, a vessel broke free of its anchor in the late afternoon and ran aground near the Outrigger Reef Hotel in Waikiki. The vessel started taking on water and the owner abandoned the vessel. Fuel, oil, four marine batteries and household hazardous substances were all removed from the vessel the same day. An assessment was made on how best to remove the vessel with federal and state partners. The vessel was removed by ocean way on March 31, 2020.



Case No. 20191106-1656

Matson heavy fuel oil spill, Honolulu Harbor, pier 19/20

On November 6, 2019, the Matson container ship “Kamokuiki” spilled heavy fuel oil, a persistent black gooey oil, into Honolulu Harbor during refueling activities. An estimated 420 gallons were released into the water due to operator error. The fuel oil escaped the pre-boom containment and coated the harbor’s pier pilings & tire bumpers, sea wall & riprap, tugboats, and the USCG Cutters. Response contractors took nearly two months to clean up the spill.



Case No. 20200222-1137

Airplane crash, Dillingham Airfield



On February 22, 2020, an airplane crashed during a training flight at the Dillingham Airfield in Mokuleia. The airplane's two occupants perished in the crash. The crash also released hazardous substances from a fuel tank and engine onto the ground. After the completion of the National Transportation Safety Board's investigation, the airplane owner's insurance company hired clean-up contractors to conduct a removal action of all petroleum-impacted soils and vegetation. Clean up was completed in July 2020.

Case No. 20201002-1431

Unknown brown-colored substance floating along Oahu & Maui shorelines



An unknown brown-colored substance was observed floating along the shores of Maui and Oahu. The Clean Water Branch and the Department of Land and Natural Resources referred the calls to HEER. After our investigation, HEER identified the substance as *Trichodesmium* algae, a marine cyanobacterium. It is a seasonal occurrence in Hawaii's ocean waters where wind and current transport it to the island's shorelines.

Honolulu Authority for Rapid Transportation (HART) Releases

HART is the semi-autonomous public authority responsible for planning, constructing, and maintaining Honolulu's 20-mile rail transit system. HART has continued working through the COVID-19 pandemic in order to clear a path for the elevated guideway and support columns along the Dillingham corridor – one of the more complex subterranean zones in the Honolulu Rail Transit project.

During the 2020 fiscal year, EP&R Section received a total of 23 release notifications regarding hazardous substances encountered during HART-related construction activities. These releases include hitting gas lines, petroleum-contaminated soil and lead-contaminated soil discoveries. Each incident's response is conducted in accordance with HDOH guidelines and oversight from HEER Office State On-Scene Coordinators and Remedial Project Managers.



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Hazard Evaluation Actions and Studies

Evaluating Public Health Effects from the 2018 Kilauea East Rift Zone Eruption and Planning for the Future

On May 3, 2018, eruptive activity began in the Lower East Rift Zone. Until cessation in August of 2018, the eruption spewed large amounts of lava and emitted dangerous concentrations of sulfur dioxide gas and other airborne pollutants. These twin threats posed an imminent health hazard to residents of Puna, and subsequently caused health problems across Hawaii Island in the form of poor air quality. The HEER Office continues to work on evaluating the impact of the 2018 LERZ eruption and plan for future eruptions.

Hazard Assessments, Recommendations and Public Engagement

Quantifying the human health impact of the volcanic emissions is very difficult. The HEER Office and the Emergency Medical Services and Injury Prevention Systems Branch (EMSIPSB) have partnered on a study to further define the health impact of volcanic emissions on the people of Hawaii. The study intends to understand the burden of respiratory illness correlated with the emissions by obtaining data from IQVIA Government Solutions, a company that compiles data from pharmacies. By comparing the amount of respiratory medications purchased in the affected areas to other parts of the state and other years of lower emissions, HEER hopes to better understand the impact of emissions and vog on respiratory health. This information will also help us understand the potential increased burden on the health care system and the magnitude of increased health care dollars caused by the eruption. This information can then be used for future planning and resource allocation.

HEER and EMSIPSB have also partnered with the University of Hawaii, Manoa Department of Atmospheric Sciences on a project to develop a real-time public messaging service about vog based on forecasts from the established Vog Measurement and Prediction Project (VMAP). The new public messaging service called the Vog and Laze Exposure (VALE) Critical Warning System, is designed to provide real-time alerts to residents in areas where poor air quality from volcanic emissions is predicted within a short time frame. This warning system will allow residents to make health protective choices during periods of rapidly changing conditions.

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.

Hawaii Water Infrastructure Improvements for the Nation (WIIN) Section 2107 Drinking Water Project

WIIN 2107 is a federal grant for testing drinking water for lead contamination at schools and childcare centers. Hawaii was awarded a \$134,000 allocation from the US EPA for this project. Working in close collaboration with DOH's Safe Drinking Water Branch (SDWB), State Laboratories Division (SLD), and Children with Special Health Needs Branch (CSHNB), plus the Hawaii Department of Education (DOE), and the Hawaii Department of Human Services (DHS), HEER has been able to secure additional funding for an extensive project to test the drinking water for lead at 106 public elementary schools and 236 DHS licensed childcare centers. Sites for testing were selected based on prioritization guidance from the US EPA. In addition to extensive planning for the water sampling and analysis, HEER has started work on educational and communication materials for the staff, students, and families at the schools and childcare centers.

Evaluating Perfluoroalkyl Substance (PFAS) contamination in Hawaii and potential risks to Human Health and the Environment

PFASs are a large class of chemicals used in many materials for their waterproofing qualities. Traditional sources of PFAS include aqueous firefighting foam (AFFF) used frequently at airports and military bases, waterproof and stain resistant consumer goods, food packaging, and a variety of industrial processes. In addition, PFASs are known to accumulate in treated wastewater, biosolids from wastewater treatment and at landfills. Currently, little is known about the burden of PFAS contamination in Hawaii. In FY2020, HEER worked on multiple projects to help further assess the burden of PFAS contamination in Hawaii and its potential risks to Human Health the environment. Current projects include:

- Evaluating PFAS contamination in Hawaii's nearshore environment and subsistence fisheries. In collaboration with Hawaii Pacific

University (HPU), the National Institute of Standards and Technology (NIST), and the United States Geological Survey (USGS), HEER has continued work on a three-part study to evaluate the burden of PFAS contamination in the near shore environment. The study consists of 3 parts including analysis of PFAS in:

- (1) Frequently consumed fish from 14 locations around Oahu considered at highest risk for PFAS contamination.
- (2) Frequently consumed fish purchased from local markets.
- (3) Nearshore waters using specialized passive water samplers provided by the USGS.

Analysis of this data will allow HEER to assess the risks to human health from consuming PFAS in fish and the need to add PFAS as a risk driver for DOH fish consumption advice.

- Evaluating PFAS contamination in treated wastewater and biosolids, landfill leachate, and soils where treated wastewater is reused. This project was funded by the EPA in FY2020 and is designed to better understand the degrees of PFAS contamination in treated wastewater that is reused or discharged to the ocean as well as in biosolids and landfill leachate. Results from this project will help HEER better evaluate potential human exposures to PFASs and begin to develop ways to limit these chemicals in the environment.
- HEER Office staff designed and published an addition to the HEER office website as a tool to inform the public about PFASs.
<https://health.hawaii.gov/heer/environmental-health/highlighted-projects/per-and-polyfluoroalkyl-substances-pfass/>
- HEER staff led by Dr. Roger Brewer, utilized the latest scientific information to develop Environmental Action Levels (EALs) for 18 PFASs in soil and groundwater. The draft EALs have undergone extensive public review and final interim EALS will be ready for publication near the end of calendar year 2020. When published, these EALs will be the most comprehensive set of risk-based, soil and groundwater action levels for PFASs in the US.

Assessing the Chemistry and Toxicity of Groundwater Contaminated with Petroleum Fuels

The HEER Office is near completion of a detailed laboratory study to investigate potential impacts to drinking water resources from the accidental release of petroleum fuels to groundwater. Samples of different types of fuel were allowed to remain in contact with water for several weeks. A detailed analysis of fuel-related compounds that dissolved into the water was then carried out. Multiple laboratories and analytical methods were utilized to ensure the reliability of the sample data. The study, the most detailed of its kind carried out in the US, is being overseen by Dr Roger Brewer and funded through grants to the HEER Office from the USEPA.

A draft report that discusses the results from the study is anticipated by the end of the year (2020). The data will be used to better assess the risk to drinking water resources posed by petroleum contamination and update Hawaii's existing guidance.

Health Surveillance for Environmental Factors

In FY2020, 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. Inquiries come from the public, the media and the medical community. In FY2020, HEER responded to over 75 direct individual inquiries from the public related to environmental health concerns. 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. 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). HEER [hosts](#) a full-time epidemiology specialist for childhood lead activities as well as medical direction and technical assistance from HEER's Toxicologist, Dr. Diana Felton. Together, the HI-CLPPP team is working to reduce children's exposure to lead by improving blood lead level surveillance, advocating for increased blood lead testing, 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 95% of all lead blood tests in Hawaii. These results are immediately reviewed and when children with very high lead levels are identified, HI-CLPPP staff and public health nurses help the family minimize the child's exposure to lead. 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.

A significant improvement to services for children with lead poisoning occurred in FY2020 when HI-CLPPP developed the ability to do no-cost residential environmental investigations. Previously, these residential environmental investigations relied on technical assistance from Environmental Protection Agency Partners from the mainland or required costly consultations from environmental consultants. HEER has expanded this program by:

- Purchasing an X-ray Fluorescence analyzer (XRF) that is used to identify potential lead sources during the assessments. The XRF is instrumental in recognizing and removing lead hazards in children's homes.
- Hiring a part-time Environmental Health Specialist funded by the CDC to spearhead the residential environmental investigation program

- Training three HEER staff to be Hawaii Certified Lead Risk Assessors

For calendar year 2019, 17,664 children (≤ 6 years old) were tested for blood lead levels. One hundred and thirty-one children had an elevated blood lead level between 5-9 $\mu\text{g}/\text{dL}$. Another fifty-one children had an elevated lead level of ≥ 10 $\mu\text{g}/\text{dL}$. Addresses of children with elevated lead levels have been provided to HUD funded programs in the City and County of Honolulu and the neighbor islands to ensure that landlords receiving state or federal rental subsidies comply with lead-based paint requirements.

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

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

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

In 2019, HEER arranged for the transfer of historical data on blood lead levels in Hawaii to be migrated to the Maven system. This legacy data migration is currently in progress and will allow HEER staff to use the computing power of Maven to analyze trends and compare past and

future blood lead level data. Identifying patterns of environmental exposure and poisoning is an important step in protecting environmental health.

In FY2020, HEER completed the multiyear process of amending HAR 11-5 to improve data quality and completeness. The planned changes include 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 allow HEER to access environmental illness trends and patterns that will provide the basis of population-based interventions and effective screening going forward.

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 awaiting approval to recruit this position.

Collaborations on Public Health Education and Outreach

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

Hawaii Poison Center (HPC) The HPC operates a 24/7 hotline to assist residents and health care providers. DOH receives data from the HPC on the number and types of acute pesticide poisonings. The HPC is mandated by legislation and is under the auspices of the Hawaii State Emergency Medical Services and Injury Prevention System Branch. Annually, the center receives over 9,000 information and poisoning exposure calls from residents and health care providers throughout the state. Services are provided free of charge every day of the year, 24 hours a day by registered nurse specialists, pharmacists, and physicians specially trained in medical toxicology. The center is operated by the Rocky Mountain Poison Center, Denver, Colorado, an accredited regional poison center by the American Association of Poison Control Centers (AAPCC). As of March 2017, physicians may now report pesticide-related illnesses to the Hawaii Poison Center via their toll-free number: 800-222-1222. The HPC provides 24/7 medical advice for management of suspected pesticide exposures and informs DOH on

behalf of the providers. This system provides an enhanced and streamlined communication option for the providers. HEER Toxicologist, Dr. Diana Felton continues to work with the HPC on industrial, occupational, and environmental poisonings providing local technical support and collaboration.

EPA's Children's Health Protection Advisory Committee (CHPAC) HEER Toxicologist, Dr. Diana Felton was selected to serve on EPA's Children's Health Protection Advisory Committee (CHPAC). The CHPAC is made up of 20 members including researchers, academicians, health care providers, environmentalists, state and tribal government employees, and members of the public who advise EPA on regulations, research, and communications related to children's health. Dr. Felton's participation in the CHPAC ensures that Hawaii's children's environmental health priorities are represented to the EPA on a national level.

HEER Guidance and Training

Technical Guidance Manual (TGM) The HEER office updated the primary guidance used to assess health and environmental risk posed by contamination of soil, air and water. The document includes "Environmental Action Levels" (EALs) for over 200 chemicals commonly found at contaminated industrial, residential and agricultural properties. Additional investigation is normally required when concentration of a chemical in soil, water or air exceeds the EAL. A similar guidance document prepared for use in CNMI, Guam and American Samoa was also updated.

Chinese Academy of Sciences Dr. Roger Brewer, a toxicologist and environmental scientist with the HEER Office returned to China in late 2019 as part of an on-going project of collaboration with the Chinese Academy of Sciences. Dr. Brewer provided expertise and training related to Hawaii's Technical Guidance for sampling and clean-ups. Part of this collaboration included the translation of Hawaii's Technical Guidance into Chinese and expansion of the guidance to assist in the cleanup of heavily contaminated, industrial sites in China. In addition, lessons learned from this collaborative work with environmental experts in China will be incorporated into future updates of the HEER Office guidance documents. The English translation of the Hawaii-China guidance has been proposed for publication as an

international standard. Work on this aspect of the project will continue in 2021.

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Site Discovery, Assessment, and Remediation Cleanup Highlights

Continued Re-development of Contaminated Properties

As the long-term movement towards re-development of properties for housing across the State continues, the HEER Office invests heavily in investigations of older regions of Oahu and the neighbor islands that have been targeted. For FY2020, 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, 1,741 state sites have been identified and investigated by the section. 807 sites received NFA determinations. Of these, 373 sites have been addressed and have no ongoing oversight requirements, another 407 sites have been placed into long term management with restrictions in place to protect human health and the environment. An additional 135 sites closed prior to 2008 have been identified for additional review in FY 2020.

During Fiscal Year 2020, 219 new state sites were added due to both site discovery efforts and statewide redevelopment activities. 24 sites were given a no further action letter, including 13 sites which require ongoing institutional controls to manage residual risks. At the end of FY 2020, 910 state sites remain open under active oversight and are being remediated or assessed for future action.

SDAR provides regulatory oversight of hazardous substance response actions for Department of Defense (DOD) service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse

military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum contaminated military sites are exempt under CERCLA and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

To date, 1,085 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. 586 sites received NFA determinations. Of these, 203 sites have been addressed and have no ongoing oversight requirements and another 383 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2020, 26 new sites were added to the DSMOA program. Six sites received NFA determination, including five sites that require long term controls to manage residual contamination. 527 military sites remain open at the end of FY 2020 under active oversight and are being remediated or assessed for future action.

Responsible Party Cooperation

The Hawaii Environmental Response Law, HRS 128D, requires responsible parties and property owners to investigate and clean up contamination under the regulatory oversight of the HEER Office. The HEER Office has the authority to issue orders to require investigation and cleanup of properties that pose an imminent threat to human health or the environment. In instances where there is no responsible party, or the responsible party fails to take action, ERRF funds may be expended to complete cleanup activities to protect human health.

The HEER Office aims to collaborate with responsible parties and property owners in identifying potential hazards and directing potential investigations and cleanup activities. This partnership approach results in more successful and timely cleanups, while conserving fund monies. In 2020, Responsible Parties conducted the vast majority of investigation and cleanup actions on a voluntary basis, without a formal cleanup agreement in place.

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

Voluntary Response Program Key Oversight

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

Past, current or future property owners can participate in this program, but exemptions from liability can only be given to future purchasers or tenants. Completion of the voluntary cleanup action is accompanied by a Letter of Completion (LOC) issued by the Department of Health and noted on the property deed. The most recent LOC was issued for the Waialua Sugar Mill site on the North Shore of Oahu in December 2018. To date, 35 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 28 LOCs for 26 sites, closed one site with a No Further Action (NFA) determination without liability relief, and seen four sites withdraw from the program.

There are currently six active VRP sites in the program. Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities. Several VRP sites which received LOCs require ongoing management of contaminants that could not be remediated and were left on site to be managed in place. Redevelopment of these sites requires additional coordination and oversight by the HEER Office to ensure compliance with LOC restrictions. In FY2020, four VRP sites with LOCs required oversight to ensure compliance with land use restrictions, including Costco in Iwilei, Kapalama Hale, and the former Foremost Dairy site in the Kalihi District of Honolulu.

Fast Track Program

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

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

The most notable Fast Track site to date has been the International Market Place where the remedial action required was completed and site has been fully re-developed. The No Further Action Letter with Institutional Controls was issued in FY17. During FY20, the SDAR Section began looking into directing more low priority site owners into the Fast Track Cleanup process to reduce staff review time and allow staff to focus on higher priority sites.

Site Discovery Program

Discovery of historically contaminated sites that may pose a threat to current or future users is an important focus area for the HEER Office. HEER Office uses federal funding to locate and sample properties that may have invisible contamination that could cause harm, especially when sites are redeveloped to residential use, or if contaminated soils are excavated and re-used where children could be inadvertently exposed. The Site Discovery program was awarded a grant of \$275,000 for 2020 by the EPA.

Since 2007, the HEER Office Site Discovery program has investigated 112 sites statewide of which 44 sites required no further action based on initial assessment sampling and detailed historical reviews. Site screening soil sampling is pending on 8 sites, and 58 sites require further investigation. In 2019-20, eight additional sites were added. Seven sites were related to lead-based paint and arsenic at Hawaii school campuses. One site is related to Agent Orange operations in the 1960s. Sites are identified by searching historical digital collections that include the Hawaii State Archives, the Hawaii State Public Library System's Hawaii and Pacific Collection, the University of Hawaii at Manoa Library Maps, Aerial Photographs and GIS website and national resources including the Library of Congress Sanborn Map Collection and the Chronicling America digital collection of Hawaii newspapers. These resources, plus locally administered plantation museums in each county provide maps, aerial photos, and oral histories to assist in locating areas formerly used to store, mix and load pesticides for distribution on sugarcane, pineapple and other agricultural industries.

The Site Discovery Program primary focus has been on hidden hazards from the most important agricultural industries of Hawaii's past, sugarcane and pineapple. Arsenic was first used as an herbicide one hundred years ago in the sugar plantations in the state. In 1948 dioxin-containing herbicides began to be widely used as well. Since 2007 the HEER Office Site Discovery Program has searched for herbicide mixing and loading sites on every

island to identify invisible contamination left behind by the historical operations at each plantation. Historic mixing sites have been identified under public housing projects, privately owned parcels with homes, planned subdivision projects, industrial areas and agricultural settings. Of the more than 30 confirmed herbicide mixing sites only two landowners were aware of the possible contamination on the land they owned. This past year a mixing site on Kauai stopped operating almost 20 years ago was discovered with high arsenic and dioxin in surface soils.

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

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

Kakaako Mauka was once a major industrial section of Honolulu. A wood treatment facility, foundries, dry cleaners, breweries, chemical distributors and manufacturer are just a few of the industries that operated in this area.

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

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

Hawaii's Unique Challenges

As a small isolated state in the middle of the Pacific, Hawaii faces unique challenges cleaning up contaminated properties. On the mainland, common

cleanup solution is often removal and disposal of contaminated materials to a nearby waste facility, or onsite treatment of contamination to reduce or remove hazards.

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

Refining the Proactive Approach to Contamination State-wide

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

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

1. Programmatic/Areawide Environmental Hazard Management Plans (EHMPs)
2. Extensive Public Outreach, Material Development
3. Site and Document tracking by the public via iHEER & Notification System Use

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* contamination or potential contamination is encountered.

It provides consistent, publicly available information about areawide contamination concerns that property owners, tenants, developers and prospective purchasers can use.

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

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

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

Programmatic/Areawide Environmental Hazard Management Plans (EHMP):

There are several areas throughout the State that we know have significant contamination being left in place after remedies have been selected and implemented. As the residual contamination may still pose a potential risk to utility and construction workers performing sub-surface maintenance and development activities, guidance has been developed and provided to these entities to protect their workers as they do work in these contaminated areas. This is the primary role of areawide EHMPs and they address areas where 1) the type of contamination is known through several site-specific investigations in the area and 2) the contingency plans for handling the type of contamination in question is well defined. By providing information regarding management of the various media (soil, groundwater, soil gas) up front, all entities performing intrusive work in the area will be prepared and equipped to manage any hazard they may encounter. This also provides better worker safety and reduces the number of incidents that our emergency responders must address.

Extensive Public Outreach & Material Development:

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

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

To assist developers, landowners, and contractors better understand the steps to properly identify and manage contamination during their projects, the HEER Office has prepared three new Fact Sheets. These Fact Sheets focus on providing guidance on choosing the most appropriate environmental consultant, the steps to taken once contamination is identified at a site, and how and when to prepare a C-EHMP. These Fact Sheets help provide information so developers, landowners, and contractors

can comply with appropriate environmental rules and regulations and better estimate project costs.

The HEER Office in collaboration with EPA and Center for Creative Land Recycling is in the planning stage for the First Brownfields Virtual Workshop on July 28 and 29. The objective of the workshop is to provide updates on the State Technical Guidance Manual, the new iHEER database, update on Contaminants of Emerging Concerns (PFAS) and to reach out to State, City, counties, private owners and developers on EPA Brownfields grants for assessment and cleanup of contaminated properties.

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

iHEER development has made significant progress during the last FY. Public Record document migration from the previous system has been completed and most information is available online to the public. The system includes a map viewer where remediation and closed emergency sites can be viewed on a map. Documents can be downloaded instantly by for most sites. Currently, the HEER office is maintaining a dual system of record access of direct download and record request to balance the need for transparency to the public and protection of critical infrastructures such as pipeline information and hazardous materials storage. In addition, this system enables quality checks for correct data transfer from the previous system. The HEER Office also has moved to electronic document and record submittal via e-permitting. This enables convenient faster and date/time stamped submittals by the public and centralized document processing.

This fiscal year, SDAR staff continued to update site data for individual sites with the addition of site centroids and property boundaries. All new incoming documents are processed in iHEER now and are directly accessible thereafter. The immediate access to all documents by staff turned out to be especially advantageous during teleworking as a result of the COVID-19 pandemic. The site viewer of iHEER was improved by adding an address search field that is independent from the site database. This enables the public to search for any property and directly see if a HEER site is located on a target property or nearby.

iHEER is now integrated into **EHA Connect** which enables viewing of SDAR sites together with access to EP&R sites, TMK Boundaries, and other EHA Branch data such as Air Pollution Sources, UIC facilities, and Water Quality Advisories.

The HEER Office E-permitting document submittal portal has been expanded to include links to a newly created Construction Environmental Hazard Management Plan (EHMP) Template, and a New Notification of Construction Activity form. Additional forms were created for EP&R to allow late submittals for HEPCRA reporting (single and multiple facilities) to enable online submittal and back-collection of outstanding fees from facilities with late-submittals.

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 FY2020, construction continued at five westernmost stations. Additionally, guideway construction accelerated in the industrialized area near the airport, and preconstruction activities associated with utility relocation continued throughout the City Center part of the project. Both the Airport and City Center Guideway Areas are located within densely populated regions of Oahu in areas with much higher potential for contamination than the western segments. HDOH is particularly concerned with an area long Dillingham where Honolulu Authority for Rapid Transportation (HART) contractors encountered very high volatile concentrations during geotechnical boring several years ago. For the safety of the workers and the public, we continue to press for investigation of this area prior to starting work.

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 FY2019, the SDAR Section worked closely with the Solid and Hazardous Waste Branch (SHWB), the Clean Water Branch (CAB), and the HEER Office's EP&R Section.

DOT – Airports Collaboration on Airport Rail Construction

The Hawaii Department of Transportation, Airports Division (HDOT) continued to be a valuable partner in FY2020. Their close oversight of construction within their property boundaries has alerted HDOH to several issues. This partnership allows HDOH contractors to access portions of the construction to do audits and construction to ensure compliance with the Programmatic EHE-EHMP. The coordination with HDOT has helped HDOH ensure construction continues safely, while collecting data that will help HDOT continue the investigation after HART returns the site to HDOT.

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

In FY20, using funding from their EPA Communitywide Brownfields Assessment grant, HART completed Phase II Environmental Site Assessments for the five City Center Stations from the Mokauea Station to the Kalia Station at Ala Moana Shopping Center, as well as characterizations of other properties on the rail line that HART has not acquired.

Last fiscal year, HDOH had a joint meeting with HART to discuss project details and upcoming reviews associated with two Brownfields grants HART received. A cleanup grant was awarded to investigate disposal options for soil and groundwater at the future Iwilei Station site and an assessment grant targeted 99 properties for Phase I Environmental Site Assessments in the City Center Area. This year, additional sites have been added to the cleanup grant work. This fiscal year, HART submitted a draft Sampling and Analysis Plans for the HECO site in Iwilei and the HECO location in Chinatown. Fieldwork will begin when HART receives right of entry from HECO, hopefully early next fiscal year. Additionally, HART anticipates adding the Liliha Civic Center to the investigation next year. All three of these sites will be future rail stations and it is highly beneficial to investigate and remediate these properties before rail development for these sites begin under a public private partnership (P3) or other mechanism to be determined.

In FY 2017, HART also began attending regular status conferences between HART and a large property owner in West Oahu. There is an agreement between HART and the property owners stating that the owners will investigate and remediate the property and then relinquish ownership to HART. The property in question is key to a large parking structure and new highway access ramps near the Rail Operations Center. Although HDOH had been working directly with the property owner since November 2014 with the goal of closing the site, characterization and remediation kept stalling. In FY2020, we were finally able to close the second portion of the site and anticipate closing the other two portions of the property in FY 2021.

Unexploded Ordnance (UXO) Issues Throughout the State

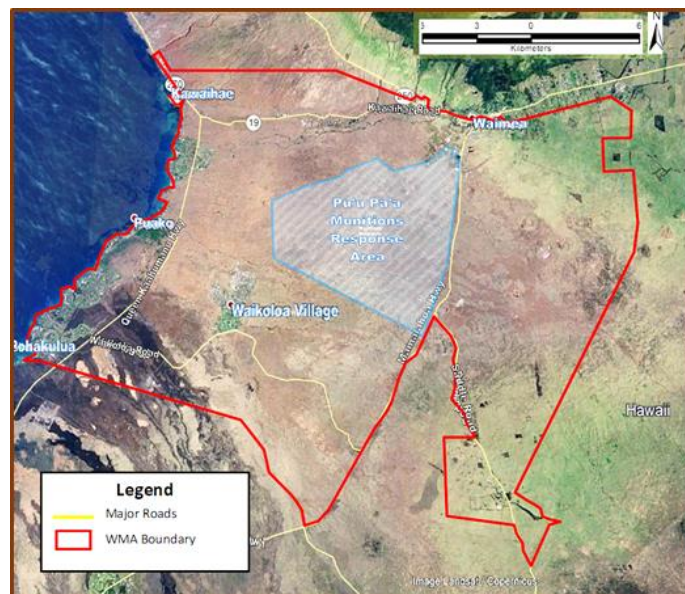
UXO continues to be one of the main contaminants of concern throughout the State. Over the past two decades, dozens of UXO investigations have taken place throughout the State at both active military installations and Formerly Used Defense Sites (FUDS), highlighting the number and severity of the UXO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

Throughout the first three quarters of FY2020, the HEER Office continued to conduct outreach with the United States Army Corps of Engineers to discuss UXO safety with the public at sites on Hawaii Island. The HEER Office also conducted separate outreach directly to stakeholders in the 100,000+ acre Waikoloa Maneuver Area on Hawaii Island to inform them of the new Area-wide Environmental Hazard Management Plan (AEHMP) to address UXO hazards and provide safe guidance for redevelopment. Meetings were held with Hawaii County representatives, real estate managers and agents, representatives of DHHL and Parker Ranch, and the Department of Education.

The HEER Office also began issuing Conditional No Further Action with Institutional Controls (Conditional NFA w/ICs) letters for existing and planned future Affordable Housing parcels in the Waikoloa Area that were selectively cleared and closed out by the U.S. Army Corps of Engineers. Samples of the Conditional NFA w/ICs letter were submitted to the Department of Housing and Urban Development (HUD) for review prior to finalization to ensure that they met the requirements in order to unfreeze federal monies so that the housing projects in the area can proceed. (In August 2019 HUD issued a Notice stating that the NFA w/ICs meets all requirements laid out in previous HUD Notices). Education regarding contamination in the area and the guidance outlined in the AEHMP will be continuous in the area for the foreseeable future. In June 2019, the HEER Office met with various representatives of the State's Congressional Delegates to inform to update them about the AEHMP guidance for Waikoloa and other UXO-related concerns

in the Waikoloa Area. If the AEHMP at Waikoloa proves successful, it is anticipated to serve as a model for other UXO sites across the State.

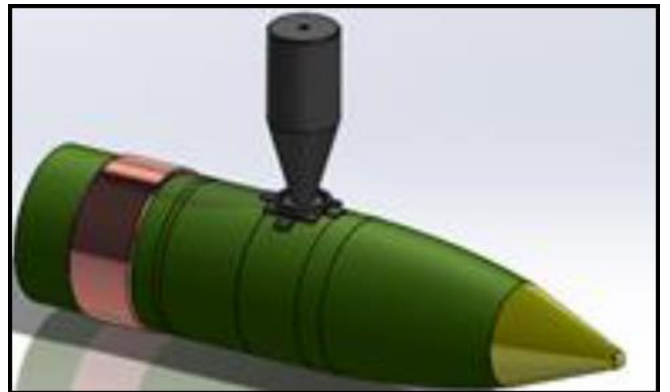
In the last two quarters of FY2020, we worked with developers in the Waikoloa Maneuver Area to develop Site-Specific EHMPs as described in the AEHMP and Conditional NFAs w/ICs for large scale affordable housing development projects in Waikoloa Village. The HEER Office has also worked with the developers of the new Waikoloa Plaza to coordinate the clearance can transfer of land for the new Waikoloa Library. In addition, utilizing the services of Terradex, Inc. to monitor excavation notifications in the Waikoloa Maneuver Area, the HEER Office has been able to notify dozens of individual workers, landowners, and developers of the State's UXO safety guidance.





protection of the public in these popular recreation areas and a plan to assess permanent remediation actions in the future that could entirely remove the hazard without causing injury to the natural resources.

On Molokai and the North Shore of Oahu, HEER also continued oversight and close coordination with USACE of UXO Remedial Actions and public outreach activities during FY2020.



Beyond Hawaii Island, we also continued oversight of UXO Response Actions across the State, including offshore UXO hazards discovered at popular marine recreation areas on Oahu and Molokini Island. Partnering with DLNR to protect the natural resources as well as human health, we requested assistance from the navy Explosive Ordnance Disposal Unit to arrange the safe disposal of rockets offshore of Lanikai Beach. Because of the nature of the bombs discovered in the Molokini Island Marine Natural Resource Protected Area, the state requested direct assistance from the Office of the Deputy Secretary of the Army and the Department of Defense Explosive Safety Board to conduct a risk assessment to evaluate actions needed to mitigate the explosive risks to recreational divers and boaters, while avoiding devastating damage to the exquisite coral communities in the Molokini Crater. This resulted in interim management of the latter to ensure the



In September 2018, the HEER Office sub-contracted the services of UXOPro, an expert UXO consulting company, to assist with review of UXO clean-up documents, particularly those pertaining to new investigation technologies. This added support is assisting our staff in pushing through some of the difficult roadblocks that have been encountered on some U.S. Army Corps of Engineers UXO remediation projects across the State (including Oahu Target Islands and He'eia Kea on Oahu and Waikoloa Maneuver Area on Hawaii Island). These contractors are also helping the HEER Office to develop

its own expertise and knowledge of QA/QC procedures related to UXO investigations. UXOPro was particularly helpful during FY2020 in helping to resolve the issue at Molokini by educating and informing both HDOH and DLNR staff about UXO disposal alternatives.

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

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

The HEER Office has had a longstanding relationship with DBEDT and continues to assist DHHL, DOT, DOE, and other State departments in providing guidance and oversight for their projects, and Aiea Sugar Mill. The HEER Office assisted County of Kauai with their Phase I site reconnaissance and later, in their successful application for a Targeted Brownfields Assessment Grant for Samuel Mahelona Hospital. In FY2020, HEER will provide technical assistance and oversight in the preparation of the Sampling and Analysis Plan. The HEER Office provided comments and technical assistance to City and County of Honolulu during their preparation of a Sampling and Analysis Plan to assess the former Aiea Mill slated to be developed for affordable housing. 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.

In an effort to help the Kekaha, Kauai community develop the former Kekaha Sugar Mill, we coordinated with non-profit organizations and consultants to assist them with preparing an EPA grant application for the assessment and cleanup of sites around Kekaha community.

The HEER Office approved the proposed sampling plan, final environmental assessment report and the Analysis of Brownfield Cleanup Alternatives for the Department of Accounting and General Services (DAGS) in their application for Targeted Brownfields Assessment Grant for Phase II Site Investigation for the 333 and 351 North King Street as part of the Liliha Civic Center Development. Cleanup work on this site is expected this year.

For the Fiscal Year 2020, the HEER Office is also providing continuous oversight to City and County Transit Oriented Development in assessing Brownfields sites in the neighborhoods near the future rail stations. The goal is to enable TOD, which is compact development within walking distance of a transit station. The HEER Office provides technical assistance in developing sampling and analysis plan as well as in reviewing the Quality Assurance Project Plan which are required under EPA Grant agreement.

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 85 high priority sites in the Hawaii State Response Program. Examples of major progress on high priority sites are described below:

Kapalama Container Yard Development

The Kapalama Container Yard project is a massive re-development project on both land and sea. The area was utilized by multiple and various tenants after it was transferred to the State from the Army in 1983 when it was known as the Kapalama Military Reservation. Historic information regarding the former military reservation indicated petroleum, heavy metal, and PCB contamination on-site. An investigation was performed prior to construction and an EHMP was implemented on the site. Given the vast amount of soil and concrete that needs to be moved or disposed of, the HEER Office has worked closely with DOT's contractor Kiewit and the Solid Waste Section to ensure that the material being generated is being handled in accordance with state regulations.

During this fiscal year, excavation of underground utility corridors continued and 1,508 cubic yards of arsenic contaminated canec/soil mixtures from the top two feet of a raised concrete foundation were disposed of at PVT landfill. Excess soil from utility excavations was segregated into 800 cubic yard stockpiles, sampled using multi-increment sampling and depending on the results, either disposed offsite at PVT landfill if they exceeded unrestricted environmental action levels (EALs), or re-used at commercial industrial sites after coordination with DOH. Overall, approximately 111,500 cubic yards of soil were exported for disposal and/or re-use.

Factory Street Lead Hazard Removed by US EPA Region 9 Emergency Response

The Factory Street Lead Site is a site with significant historic lead contamination located in a mixed residential/industrial area. The lead contamination is likely a result of former fishing weight smelting operations and posed a high risk especially to children due to high concentrations of lead underneath the asphaltic street cover, which was degrading due to decreased maintenance of this secondary roadway. In 2019 HDOH requested assistance from the EPA to remove the highest lead contamination directly beneath the asphaltic cover in the roadway and shoulder area. EPA completed the remedial excavation down to 1 foot beneath the surface in the first quarter of 2020 and the site is now safe for reuse with residual contamination below 1 foot below ground surface managed via an EHMP.

The site was initially cleared by US EPA in an emergency response action in the 1990's when the highest concentrations of lead in the shoulder areas 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.

Despite not owning the street, the City and County initially maintained the roadway surface, but stopped maintenance work due to postings of "no parking signs" which renders the street inaccessible to the public and therefore not qualified for municipal road maintenance services.

HEER revisited the Factory Street Lead Site in 2016 to assess hazard conditions and determined that the roadway and shoulders would need of repair and ongoing maintenance to prevent potential exposure to high concentrations of lead. In March 2017, HDOH HEER 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 conducted a Site Assessment in July 2017. The plan for the Site Assessment was presented to the public via the Kalihi Neighborhood meeting and notices to owners and residents in the assessment area. The Site Assessment showed that high concentrations of lead extended to underneath the roadway. In October 2017, the HEER Office conducted

asphalt patching through an emergency response action within the shoulder area of Factory Street. In February 2018, the HEER Office prepared an Area-Wide EHMP for the Factory Street Site. The EHMP will enable the City and County to conduct paving and water and sewer line replacement in a safe manner. Simultaneously, the HEER Office explored the option of remediating the site, but it was not feasible due to the high costs associated with it.

Due to the abandoned status of the roadway, the HEER office was unable to identify responsibility for the release and maintenance of the street and shoulder areas. Attempts to assign ownership of Factory Street to the State and/or City and County were conducted by the HEER Office via direction through DOT and through the 2019 Legislature, but both attempts failed.

Due to the lack of an identified responsible party and the need for a protective remedy, HDOH requested emergency response assistance from U.S. EPA Region 9 in June 2019 to remediate the site. Remedial Excavation began in January 2020. EPA completed the excavation of lead contaminated soil down to 1 foot below ground surface in February 2020. The project was very complex due to multiple utilities running underneath the shoulder area and crossing the street, impossible soil storage onsite, because of the residential nature of the site, and the very restricted space at the site. One utility pole had to be shored during excavation to stabilize it. All soil excavated (hazardous and non-hazardous waste) was disposed of on the U.S. mainland due to community concerns about disposal at the local PVT landfill. Paving of the street was completed in March 2020. The effort included close coordination with City and County Utility Commission and DOT Harbors. HDOH and EPA conducted multiple outreach events prior to the start of excavation. DOT Harbors provided a temporary storage and loading area close to the harbor to enable proper packaging prior to loading of the contaminated soil onto a barge. Remaining contamination in the subsurface below 1 foot is being managed via an Environmental Hazard Management Plan and any subsurface disturbances are currently monitored via the Terradex tracking system which is connected to the Hawaii 811 Call. Monitoring of the pavement (cap) is necessary and an owner of Factory Street has yet to be determined to ensure the durability of the remedy.

Radford High School Track & Field and Makalapa Elementary School

The draft 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 was submitted for review in late 2019. The HEER Office provided comments on the draft and is awaiting responses. A key question is whether USACE still considers Munitions and Explosives of Concern (MEC) to be a hazard at the two campuses. Environmental Hazard Management Plans (EHMPs) were prepared for both schools that include dig restrictions that require costly Unexploded Ordnance (UXO) Construction Support/Anomaly Avoidance to be performed for any excavations. USACE has described the chance of encountering MEC as low but has not ruled it out yet. Public meetings will be held by the USACE before a final remedy is selected.

Daniel K. Inouye International Airport – Mauka IIT Extension Project

During the construction of a new Inter-Island Terminal extension wing at the HNL Airport, petroleum and solvent contamination was encountered during drilling of piles for the new foundation. The HEER Office was able to work with the State of Hawaii Department of Transportation – Airports Division (DOT-A) to coordinate the characterization of the soil, groundwater, and soil vapor within the building footprint, while allowing for construction to continue following the preparation of a Construction EHMP that ensures the protection of human health and the environment during the construction.

By the end of FY20, the soil, groundwater, and soil vapor beneath the building footprint were properly characterized, and the necessary mitigation measures (such as a soil vapor barrier beneath the building), have been completed. Construction of the building is nearing completion, and the characterization of the area outside of the building footprint has been completed.

Iwilei Areawide Contamination

Because of extensive historic petroleum contamination in subsurface soils dating back to territorial days, Honolulu Harbor remains one of HEER's top priorities. This fiscal year, The Board of Water Supply prepared its own EHMP for Emergency Water Main Repairs in the Iwilei Area. Work is underway at a number of high priority sites, including:

BHP GASCO Benzene Site/Dole Cannery Building Site, Oahu

The BHP Gasco Site was the most hazardous site in the State with high benzene concentrations in soil and

groundwater as a result of releases from former gas manufacturing activities. The site is situated next to the Dole Cannery Building and is being remediated under a consent agreement signed in March 2004. The BHP Gasco Site has completed active remediation and source reduction and has been re-developed into a warehouse. Engineering and institutional controls have been implemented and the site together with the neighboring Dole Cannery Building is currently under a combined long-term monitoring program for groundwater, soil vapor, and indoor air monitoring. The newly constructed warehouse at the site is underlain by an impermeable vapor barrier and a sub-slab ventilations system. A concrete cap was installed over the remainder of the Gasco site. The soil vapor extraction (SVE) system for the Dole Cannery Building has been re-located. The remedial alternatives analysis at the Dole Cannery has been put on hold until redevelopment plans have been firmed up, with the SVE system serving as an interim measure to ensure tenant safety. Groundwater and soil vapor monitoring is currently conducted on a semi-annual basis to monitor for potential rebound after In-Situ Chemical Oxidation (ISCO) has been discontinued and effects of potential contamination mobilization associated with construction activities. The SVE system is currently run at a frequency of every two weeks.

During this fiscal year, a combined Interim Long-Term Monitoring Program for the Gasco/DHX site and the Dole Cannery was in development. Monitoring is pivoting towards an emphasis on reliable soil vapor sampling that includes sampling of individual soil vapor probes and large volume purge (LVP) samples to ensure protection of Dole Cannery occupants, and less on groundwater monitoring. Groundwater monitoring at a reduced number of wells will focus more on characterizing the redox environment to ensure that degradation is continuing at a sufficient rate to sustain benzene and TPH degradation while transitioning to a more reducing environment. Groundwater monitoring will also ensure that rebound conditions, should they occur, are adequately captured and dealt with, and that groundwater plume mobilization in response to construction activities is short-lived to limit offsite migration. The current monitoring network includes 28 groundwater, 31 soil vapor, and 4 indoor air sampling locations.

Iwilei District Participating Parties (IDPP) Enforceable Agreement for Areawide Contamination

The Iwilei District Participating Parties (IDPP), LLC, has completed intensive investigation and early cleanup actions for their areas of responsibility in Honolulu

Harbor. Public participation and remedy selection are now complete for all major Operable Units (OU).

IDPP has implemented the remedies and response actions required by DOH to manage residual petroleum contamination in subsurface soils. These include free product removal, infrastructure repairs and a variety of institutional and engineering controls required to ensure long-term protectiveness of the remedies for future generations and the nearby marine environment. Site-specific EHMPs have been developed for OU1C and the old Hilo Hattie property. EHMPs are being developed for the rest of the OUs (1A, 1B, 2) as well as the OU3 properties within Nimitz Highway. OU-1C received a No Further Action Determination with Institutional Controls (NFA-IC) in August 2018 and a refined methane survey has been completed. An EHMP has been completed for the site.

Plans underway to Safely Convert Former Hilo Hattie Store to FEDEX Facility. The former Hilo Hattie Site in OU3 also received an NFA with IC determination in August 2018 and is managed via an EHMP. The site is currently under redevelopment as a FEDEX station along with the neighboring property at 775 North Nimitz Highway. Product recovery was completed at 775 North Nimitz Highway in April 2020. FEDEX and DOT Harbors were in the process of developing construction specific EHMP addendums in order to conduct redevelopment activities at the proposed FEDEX location and OU1C. A Draft EHMP was prepared for OU1B in November 2019 but did not include continued monitoring and/or contingencies that account for potential increase in methane concentrations during sea-level rise. IDPP completed a methane investigation in 2018, but this evaluation did not account for a dynamic environment in the context of sea-level rise. Discussion between IDPP and HDOH are being held on how to handle potential imminent and substantial threats associated with an increase in methane in the future to ensure the remedy is effective and durable. Resolution of this issue will affect how the remaining OUs will be addressed regarding long-term monitoring and management. The Board of Water Supply prepared its own EHMP for Emergency Water Main Repairs in the Iwilei Area. 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.

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

Pearl Harbor Sediment Study, Pearl Harbor Naval Complex (PHNC)

After many years of intensive investigation, pilot studies, assessment of remedial alternatives, public engagement and remedy selection documented in and approved by state and federal regulators in the Final Record of Decision; , the Navy is now finalizing the Remedial Design, additional dredge evaluations for disposal and fish sampling needed for long term monitoring of the site.

History of the Sediment Investigations

A Remedial Investigation/Feasibility Study (RI/FS), completed in 2015, identified 10 Decision Units (DUs) with sediments contaminated with total PCBs and metals; Six DUs required remediation and remedial alternatives were evaluated and proposed. The remaining four DUs at the site have been identified for No Active Remediation (NAR):

DU N-1 (Majority of Navigation Channel)

DU W-1 (West Loch)

DU M-1 (Middle Loch)

DU E-1 (Majority of East Loch)

The Final Record of Decision for the Pearl Harbor Sediments, signed in September 2018, listed the following remedial alternatives for the six DUs requiring remediation, to address potentially unacceptable risks to human or ecological receptors exposed to contamination associated with the sediments:

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

A Final Basis of Design Field Investigation Report, finalized in early FY20 provided the data needed to complete the design of the selected remedy for the site as documented in the Record of Decision (signed in 2018) and the additional baseline fish tissue data needed to evaluate long-term fish monitoring recommendations for the site.

A Dredge Material Evaluation Work Plan, submitted by the Navy, had the objective of determining whether dredge materials from DU N-4 and DU E-2 are suitable for disposal at the United States Environmental Protection Agency's (EPA) designated South Oahu Ocean Dredged Material Disposal Site (SOODMDS). Data provided by this sampling and dredge material evaluation can also be used to assess upland disposal criteria if the dredge material does not meet the criteria for open ocean disposal. This work plan was finalized in March 2020.

A Final Treatability Study (TS) Report for Under-Pier Activated Carbon Treatment of Contaminated Sediment, finalized in March 2020, carried out at Sierra 1B Pier, evaluated the constructability and feasibility of applying SediMite and AquaGate+PAC to contaminated under-pier sediment. The results of the verification survey and post-AC placement performance monitoring indicated that SediMite and AquaGate+PAC both met the project

objectives and performance criteria for successful material placement and effective treatment of contaminated sediment at Pier Sierra 1B. The AC amendment application process developed during the TS was successful. Porewater PCBs concentrations and bioaccumulation were reduced.

A Draft Remedial Action Work Plan and Draft Environmental Monitoring & Management Plan have also been submitted during FY20.

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 Waiau Power Plant final remedies. In October 2019, HECO submitted the Draft Tunnel Solids Source Control Action Design Report and Draft Sediment Source Control Action Design Report for Source Control for Pearl Harbor Decision Unit E-2, Waiau Generating Station for regulatory review.

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

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

Multiple historical petroleum releases have occurred at the site and aqueous film-forming foam was used during a 1985 fire that rendered former Tank #1 inoperable. Past maintenance activities at the former industrial facility generated various waste streams, including used sandblast grit, tank-bottom sludge, and tank condensate. Previous environmental investigations have documented past waste disposal practices, which included discharging sludge and tank condensate directly to the ground surface. This practice was discontinued but resulted in the release of metals and polynuclear aromatic hydrocarbons (PAHs) to the ground surface. A Remedial Investigation concluded that subsurface soil contamination was generally associated with subsurface petroleum releases and not associated with surface contamination releases. Contaminants of Potential Concern previously detected in site subsurface soils were volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), PAHs, and metals. Metals, TPH, and

PAHs have previously been detected in groundwater above site screening levels. All former structures within the PCFA have been demolished.

A Draft Remediation Verification Report was submitted during FY20 to document a 2016 Non-Time Critical Removal Action (NTCRA) conducted at the site. A 1-foot thick soil cover was constructed over the entire site as part of the NTCRA. The cover was installed to prevent human and ecological receptors from exposure to contaminated soil encountered within the former industrial area of the PCFA site. The PCFA site is currently vacant and is expected to remain undeveloped in the future.

Naval Computer and Telecommunications Area Master Station (NCTAMS)

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

On June 25, 2020, the Department signed the Record of Decision for the East Gulch Disposal Area (EGDA), JBPHH Wahiawa Annex, Oahu, Hawaii. The ROD documents the decision made by the Navy and USEPA, with the concurrence from HDOH, that this site is a part of the NCTAMS Pacific National Priorities List (NPL) was deemed No Further Action (NFA). The final decision had been selected in accordance with CERCLA, as amended by Superfund Amendments and Reauthorization Act (SARA), and to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), and the Office of the President of the United States Executive Order 12580 (EO 1987).

The final remedy was chosen after a Time-Critical Action Removal (TCRA) was performed and completed in March of 2017. Approximately 930 tons of CERCLA-regulated non-hazardous soil and 69.11 tons of waste debris were removed and disposed of from the steep-walled gulch slope. It was reported that the EGDA was used as a disposal site for municipal refuse, construction debris and inert objects (metal debris, e.g., washing machine and a truck) from the early 1940s to 1973. These waste materials were pushed over the edge of the gulch, impacting the slope's surface and subsurface soils and likely contamination of the surface water and sediment in Poamoho Stream. Upon completion of the TCRA, confirmation sampling for the areas of concern indicated

that there is no unacceptable risk for human health and the environment at the EGDA site. -Of the site's chemicals of potential concern (COPCs); polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), chlorinated pesticides, total petroleum hydrocarbons (TPH), and metals, the residual concentration of analytes that remain were well below the cleanup action levels (2017 EPA Regional Screening Levels for Residential Soil and the HDOH 2017 Environmental Action Levels for Soils) and will not pose adverse effects under an unrestricted use/unlimited exposure (UU/UE) scenario.

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

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

Though the sampling confirmed that the soils met the requirements for residential, unrestricted use, the Navy has not indicated a change in use of the EDGA site since it is in an inaccessible, undeveloped area that is located on a steep gulch.

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

Military Sites with RODs/DDs/PP issued in FY 20

1. JBPHH, PHNC, Underwater Munitions NDSA (Final Decision Document signed November 2019)
2. NCTAMS PAC, East Gulch (ROD Finalized in June 2020)
3. JBPHH, PHNSY, Transportation Yard (Final ROD reviewed/pending, July 2019)

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

The Salvage Yard at Kaneohe, MCBH

In the 1940s and 1950s, the main Salvage Yard at Marine Corps Base Hawaii 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; however, transformers and waste drums were stored there as well.

As part of an ongoing CERCLA investigation for the Salvage Yard Site (Salvage Yard, the boat storage area, the wetlands, and the nearshore sediments adjacent to the wetlands), fish and sediment sampling was conducted at the Fuel Pier and Marina Area. Preliminary results showed that Polynuclear Biphenyls (PCBs) were detected above the EPA and the HDOH screening values, indicating 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.

A primary source of contamination was more than likely PCB-containing dielectric fluids that had leaked and spilled from electrical transformers.

In the interim, HDOH has issued an Interim Fish Advisory about the potential health risk posed by the PCBs in the waters surrounding the site. 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.

Status Update for the Salvage Yard:

The Navy has completed their supplemental sampling for the Salvage Yard in order to further investigate and delineate PCB-impacted soil, sediment, and fish tissue. A draft report of their findings has been received and reviewed.

2019 Supplemental RI (remedial investigation) data was sent by the Navy, regarding additional sampling results for soil, sediment and fish tissue at the site. It was reported that besides the highest concentration of PCBs in fish tissue (whole body), 4,132 mg/kg ww (wet weight), the highest concentration of PCBs in filet tissue was 1,188mg/kg ww, both of which were collected from within the Marina Inlet. A sediment sample from the Inlet was also tested as having the highest concentration of PCBs, 2,410 mg/kg.

In February 2020, a draft Treatability Study (TS) Work Plan (WP) Activated Carbon (AC) amendment treatment of the Marina Inlet Sediment at the Salvage Yard report was received and reviewed by HDOH. The main objectives for the TS WP are to demonstrate and evaluate the feasibility and effectiveness of the AC amendment treatment as a remedy for the PCB-impacted nearshore marine sediment at the site. The draft final TS WP was received in August 2020. The Navy requested a coordinated review and comment by the Clean Water Branch and the HEER Office on this pilot project and comments were made in October 2020. The reasoning behind selection of the Marina Inlet for the TS project is that:

1. It is the area in which most of the elevated contamination of PCBs were detected at and
2. The Inlet contains the highest concentration of PCBs in both sediment and fish tissue

The Inlet's favorable conditions include being in an enclosure allowing for easy placement of a thin layer of AC material upon the sediment and very minimal wave action will keep the AC relatively stable.

Two types AC amendment will be used at two adjoining locations (test plots A and B) at the Inlet. PCB degrading microorganisms may be added to one type of AC which will enhance the acceleration rate of PCB degradation. These microorganisms are already naturally occurring in the Marina Inlet.

According to the TS WP, AC application is tentatively set for February of 2021.

After the placement of the AC amendment material, 9 month and an 18-month performance monitoring events will take place. The results of the TS will be included in the feasibility study for the Salvage Yard. The Navy is hopeful that the use of AC will yield promising results in the reduction of PCBs in sediments and porewater.

As for now, the fish advisory is still and will still be in effect for the duration of the TS.



State Oversight of Military Munitions Response Program (MMRP) Sites

The MMRP was created in 2001 and involved all branches of the military creating an inventory of formerly used/closed ranges across the country and its territories. These sites were put into the CERCLA process and are currently being addressed by the respective branches. Sites on properties that are no longer under the control of DoD and were transferred prior to October 17, 1986 are handled by the US Army Corps of Engineers under the Formerly Used Defense Sites (FUDS) Program. Half of the MMRP sites currently under investigation in the State are part of the FUDS program (24 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 investigation and cleanup. With a \$10 million annual operating budget for the Waikoloa Maneuver Area is \$10 million; it will take decades to fully investigate and remove explosive hazards. The site is

divided into 22 different areas/sectors. Within the State of Hawaii, the HEER Office provides regulatory oversight for all US Army Corps of Engineers (USACE) FUDS projects. During the past year, work was performed in the following areas: Area M (Aina Lea Affordable Housing project portion), Area P (County of Hawaii Kamakoa Work Force Housing project), and Area N. USACE is reorienting their prioritization of site work in the WMA to help meet the need for more affordable housing. In FY2020, several meetings were held with the County and other entities (Parker Ranch, DHHL, etc.) to discuss the best approach to meet this goal.

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 March 2019, the HEER Office published an 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.

In 2018, the HEER Office worked with the US Army Corps of Engineers (USACE), 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 multi-year financing delays from the U.S. Department of Housing and Urban Development (HUD) due to uncertainties about safety of these sites.

In 2019, USACE completed investigations of six sites prioritized for affordable housing. By the second quarter of FY2020, the HEER Office issued Conditional No Further Action with Institutional Controls determinations (NFA w/ICs) to all six sites.

While completing investigations at two of the parceled-out sites, USACE discovered that earlier clean-up activities that occurred between about 2002 and 2012 did not meet today’s current Quality Control and Quality Assurance standards. During the 2019 re-investigation and clean-up of these parcels, hundreds of pounds of Munitions Debris was discovered along with one 75-

millimeter UXO projectile that was located less than 40 feet from the Ke Kumu Affordable Housing residences. In a nearby previously cleared area, a 155-millimeter UXO artillery shell along with thousands of pounds of munitions debris was discovered in FY2020 in the planned Hawaii County Work Force Housing parcels

Based on these discoveries, the HEER Office asked USACE to develop a plan to re-assess the 29,000 acres of land in the Waikoloa Maneuver Area that was previously cleared under these Removal Actions. In FY2020, the HEER Office worked closely with USACE to develop a plan to conduct Remedial Design investigations of these previously cleared areas in and around the town of Waimea in the Munitions Response Site (MRS) BOQJ. These investigations are scheduled to begin in early 2021.

The HEER Office also began its own outreach to the Waikoloa and Waimea communities, along with State and County workers involved in the area, to inform them of the information in the AEHMP guidance document and to ensure that the communities are aware of the ‘residual risk’ of UXO hazards even in areas that have been previously cleared by USACE.

In early 2019, the HEER Office completed review of Remedial Investigation reports for four other Munitions Response Sites within the Waikoloa Maneuver Area: Sector 15, Sector 16, Area A/G, and Area F. One of these areas (Sector 15) consists of the 11,000-acre Puu Kapu parcel owned by the Department of Hawaiian Homelands (DHHL). The HEER Office disagreed with the findings in these reports, which recommended no further investigations or removal actions. The HEER Office has been working with USACE and DHHL on alternatives for these areas which have a low likelihood of encountering UXO because they were outside of the main target area but cannot be determined 100% safe. The HEER Office has requested that USACE provide UXO Construction Support for these areas. USACE also reported in early 2019 that the Waikoloa Maneuver Area will be expanding by around 80,000 acres to include areas to the north and east of the previous boundary. The HEER Office has also proposed that USACE-provided UXO Construction Support could be appropriate for those areas. Based on the HEER Office comments, USACE is planning to conduct additional field work in these areas that is expected to begin in mid-FY2021. The HEER Office will be working closely with USACE on planning for these investigations to ensure that the needs of the community are met.

In addition to the planned Remedial Design work in MRS BOQJ, USACE is planning a separate re-assessment and clearance on the 200+ acre DHHL property at Lalamilo which has been stalled for several years. This work is scheduled to begin in early 2021 and the HEER Office will continue to work closely with USACE to get this project closed out so that DHHL can move forward with their development of the site.

USACE's contractor plans to use new Advanced Geophysical Classification (AGC) technology to investigate some portions of Area BOQJ, including Lalamilo. The HEER Office, with assistance from our UXO consultant with expertise in the use of AGC, looks forward to seeing the results of this first real test of the use of AGC in the field at the Waikoloa Maneuver Area. The Remedial Actions being carried out in Area M and Area N in FY20 were conducted using traditional "mag and dig" and Digital Geophysical Mapping (DGM) technologies. to the schedule also includes beginning work in FY2021 in Sector 17 along the coast. This is another MRS where USACE has decided to re-evaluate previous clearance work before proceeding.

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 of 2018, the HEER Office requested a Time Critical Response Action (TCRA) to address 2,800 acres of the property currently used by a goat farmer and his family, as well as modifications to the Remediation Alternatives presented in the Draft RI/FS. In 2017, the farmer had encountered 14 UXOs while constructing a fence on the property. The HEER Office has not yet received a response from the US Army Garrison. In FY2020, the Army committed to conduct the requested TCRA and began planning the action with USACE. Field work is anticipated to begin in early 2021.

The HEER Office has also continued to work with the owner of Pu'u Pa'a, Parker Ranch, to provide the Army with requested documents about future site usage to raise the priority of remediating this property. Meanwhile, the Army is providing UXO Construction Support for Parker Ranch activities at the site through USACE.

Oahu Target Islands

The Oahu Target Islands FUDS is located between Kahuku and La'ie on the north shore of Oahu and includes the waters surrounding three offshore islands. Based on the previous Remedial Investigation, a fourth island, and the land portions of the three islands were determined to be clear of UXO. Underwater UXO remediation finally began in June of 2019 but was not completed. In the first quarter of FY2020 USACE reported that their contractor had identified 185 UXO underwater at the site, but due to unforeseen circumstances the items could not be removed without potentially damaging nearby coral that caused concern for Federal and State Resource Agencies. The safe removal of the UXO continued to be stalled through the rest of FY2020 due to contract negotiations between USACE and their contractor. In the meantime, the HEER Office worked together with USACE and DLNR to create warning signage for the area and conduct public outreach.

He'eia Kea

Remediation in He'eia Kea also was stalled throughout FY202. In July 2019, the HEER Office provided USACE with comments on their Remedial Investigation (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. The HEER Office cited several flaws in the assumptions made in the RI report, and was disconcerted by the failure of AGC to function as promised at the site. The investigation failed to include portions of the site that may have UXO present as well as "previously cleared" portions of the site. Due to discoveries at the Waikoloa Maneuver Area in other "previously cleared" UXO sites, the HEER Office requested additional investigation in those areas as well as in other areas that were excluded. USACE dismissed HEER Office concerns, so the HEER Office prepared a second comment letter in December 2019. HEER has yet to receive an adequate response to comments and USACE is threatening to close this site without concurrence from the State regulator. The HEER Office is continuing to work with USACE to try to resolve concerns at this site.

Papohaku Ranchland

In October 2018, HEER Office staff conducted a site visit with USACE and their contractor at the former Papohaku Ranchlands Target Range on Molokai. The site was another that was "previously cleared" by USACE contractor and then later found to have significant amounts of Munitions Debris and possible munitions and

explosives of concern left at the site. USACE began a Remedial Investigation of this site in the spring/summer of 2019. The HEER Office is working very closely with USACE and our UXO consultant to oversee this project and ensure that adequate coverage of the site occurs this time. USACE contractors are using AGC at this site as well, so the HEER Office is working with USACE and our UXO/AGC consultant to ensure that the investigation using this new technology is adequate.

Molokini Island

In August 2018, the HEER Office received a report from a concerned citizen about an underwater UXO in a popular recreational diving area on this island off the coast of Maui. Molokini is a FUDS under the jurisdiction of USACE, however, USACE had not prioritized this site for investigation or remediation yet. The HEER Office contacted the Department of Land and Natural Resources (DLNR) and the Navy to arrange for a response to the reported UXO and three potential UXOs that were described by the dive tour operator. In November 2018, Navy divers investigated the items and confirmed two UXOs at the four reported locations. One UXO appears to be a 2,000-lb bomb at approximately 46 feet of depth and the other appears to be a 500-lb bomb at approximately 110 feet of depth. The Navy proposed a plan to remove the two UXOs using “low order” detonation procedures in the summer of 2019 (following the end of the whale season). However, DLNR expressed concerns about the potential damage to the reef and sea life from detonating the UXO in place and put a hold on the action. The HEER Office considers all UXOs to be a potential threat to human life due to the risk of explosion, even though the probability of a 75-year-old bomb exploding may be slight. In FY2020 the HEER Office worked with USACE to re-prioritize this site for CERCLA Remedial Investigation which is anticipated to begin in 2022. In the meantime, HDOH is working with USACE’s Interim Risk Management project manager to continue educational outreach and design signage for the site. In the summer of 2020, the HEER Office met with USACE, the Navy, and DLNR and requested an official Risk Assessment of the two known UXOs to determine if they could be left in place until the Remedial Investigation is conducted. With pressure from the community and lawmakers, and consensus among the parties, it was determined that with Institutional Controls put in place and managed by DLNR, the UXOs should not pose a risk until they can be adequately addressed by USACE.

Public Outreach and Interim Risk Management (IRM) Education

In the first two quarters of FY2020, the HEER Office participated in Public Outreach events sponsored by the US Army Corps of Engineers on Hawaii Island and went door-to-door with USACE to recreational diving businesses on Maui. The Hawaii Island 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. We also conducted our own outreach to inform the public about ‘residual risk’ from UXOs and the AEHMP Guidance for UXO Safety and safe redevelopment in the Waikoloa/Waimea area. Due to COVID-19 restrictions, during the last half of FY2020, outreach activities moved on-line and mostly consisted of conference calls with various stakeholders, including Parker Ranch, DOE, DHHL, and private developers regarding the AEHMP Guidance for the Waikoloa Maneuver Area.

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 which was largely unsuccessful. However, USACE is planning to use the technology in Area BOQJ-Cleared in the Waikoloa Maneuver Area and has already begun using it at Papohaku Ranchland on Molokai in the next year. This technology is promising because it is capable of 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 September 2018, the HEER Office sub-contracted a UXO and AGC expert, UXOPro, to assist in reviewing documents related to AGC and provide HEER Office staff with advice and guidance. The HEER Office looks forward

to testing the real-world applications of this technology here in Hawaii.

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

A Programmatic EHMP has been prepared to manage contamination at all State-owned Airports. The final Programmatic EHMP was completed October 2019. In conjunction with the Programmatic EHMP for all State-owned Airports, the HEER Office also reviewed and provided comments on the State of Hawaii Department of Transportation – Airports Division’s updated bid specs that address the proper handling and management of contaminated media during construction.

Petroleum 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 years and have shut down active remedial systems. Development and updates of the EHMPs for these two sites have stalled due to current updates of the conceptual site model needed in light of new threats at these sites, which need mitigation. Both sites are generating high levels of methane due to significant petroleum contamination in the subsurface. The responsible parties are required to mitigate the high methane concentrations the both sites to prevent potential offsite migration and associated potential endangerment of offsite receptors. During this Fiscal Year, both Shell and Island Energy implemented vapor mitigation measures after continued pressure from the HEER Office for mitigation. Methane concentrations at the two terminals have since decreased, but long-term monitoring and mitigation are likely necessary since petroleum remains in the subsurface, acting as a continuous source of methane, and the impervious surface expression does not allow for entry of oxygen from the surface into the subsurface. It is unknown, but highly probably that sea-level rise may exacerbate methane formation under the fuel terminals. Mitigation measures need to be incorporated into the EHMPs.

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, which are currently being updated. 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.

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 2019, the HEER Office provided technical support to the following Brownfields grants awardees:

- a) The City and County Transit Oriented Development as 2018 recipient of \$ \$700,000.00 Brownfields Assessment Grant.
- b) Honolulu Authority for Rapid Transit as 2018 recipient of \$600,000 clean-up grant and \$300,000 assessment grant.
- c) 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. The Phase II Site Investigation is already completed. In 2020, a scoping session on the Analysis of Cleanup Alternatives with all the stakeholders was conducted
- d) Former Aiea Sugar Mill – HEER Office is assisting City and County and EAH (a non-profit organization) in investigating the Former Aiea

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- Sugar Mill to be developed to Senior affordable housing.
- e) Samuel Mahelona Hospital – County of Kauai was granted a TBA grant for the assessment and cleanup of Samuel Mahelona Hospital to support planned expansion and redevelopment of the facility. HEER Office provided technical support in preparation of the sampling and analysis plan.
 - f) Kapiolani Community College Cannon Club Culinary Institute of the Pacific. This site was granted an EPA assessment grant. Technical assistance in the preparation of the Phase I All Appropriate Inquiry and the sampling and analysis plan was provided by the HEER Office. Kapiolani Community College plans to develop the site to a Signature restaurant and a Demo Auditorium for the University of Hawaii, Kapiolani Community College.

First Virtual Brownfields Virtual Workshop

Brownfields Forums and workshops are an essential outreach tool to help local communities identify, prioritize and redevelop properties with known or suspected contamination. After many years of hosting large events every couple of years in Honolulu, we have expanded our focus to actively engage with other counties.

As a result of the COVID-19 pandemic, the HEER Office decided to conduct the First Hawaii Brownfields Virtual Workshop to be held on July 28 and 29, 2020. Preliminary discussion of the agenda, speakers, scope of the workshop, invitees and EPA grants availability was initiated. This First Brownfields Virtual Workshop will be conducted in collaboration with EPA and Center for Creative Land Recycling. An invite email-blast was sent out to targeted audiences. As part of the coming year mission to collaborate and exchange information with Pacific Islands and Territories, it was decided to include and invite CNMI, EPA Guam and American Samoa in the virtual 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.hawaiiidoh.org>

HEER Office Publishes First in the US Tropical Risk Assessment Guidance for Coastal Marine Environments

In November 2018, HEER posted a new TGM section (Section 21), entitled “Environmental Risk Assessment Guidance for Marine Coastal Environments” to provide specific guidance on how to investigate contaminant impacts in Hawaii’s unique nearshore environment. This guidance fills a crucial gap in existing aquatic risk assessment guidance focusing on temperate climates, habitats and organisms very unlike our unique nearshore reef systems.

New Directions in Assessment and Cleanup Methods

HEER routinely updates the on-line HEER Office Technical Guidance Manual (TGM) to provide state of the art direction to environmental consultants and other interested parties on strategies and methods for assessment, remediation, and closure of brownfields and other contaminated properties.

A key part of this work is identifying and testing new investigation and cleanup methods that improve outcomes and save costs. This year, new non-invasive geophysical assessment tools including resistivity and carbon flux traps methods were investigated and show promising results. Results are expected to be summarized in future TGM updates.

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 2018, Total Petroleum Hydrocarbon (TPH) Risk Case Studies (2 Part Webinar)
- August 2018, Decision Unit-Multi-Increment Sampling (DU-MIS) For Polychlorinated Biphenyls (PCBs)- presented originally to USEPA PCB coordinators who work under Toxic Substances Control Act (TSCA) regulations (2 Part Webinar)
- September 2018, DU-MIS for Sediments
- February 2019, DU-MIS Overview and Risk-Based Site Characterization
- July 2019, Fake Data? Sampling Theory and Environmental Investigations
- June 29-30, 2020. PFAS Transport, Fate and Remediation

These trainings are 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 can 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. The HEER Office has been providing close oversight and requested additional assessment for the planned Hawaii City Plaza Condominium site, where a previously industrial site that included dry cleaning and automobile maintenance activities is planned to be

developed into a primarily residential use site.

Coordination with the City and County Department of Design and Construction has occurred during its planned repaving activity in Kakaako.

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 (Kahanua Point). The signage incorporates historical and cultural information along with safety information to minimize the fear that traditionally comes with UXO safety warnings. Similar signage is currently being prepared for Rabbit Island and Makapu'u on Oahu. In September 2018, the HEER Office participated in an outreach with USACE at a fishing tournament in Waimanalo to inform residents and participants about UXO in the offshore waters. In addition to outreach activities with USACE, the HEER Office is developing its own outreach program to inform residents and workers in the Waikoloa Maneuver Area about the new UXO AEHMP guidelines.

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 FY2020, HEER used contract expertise to support technical decision making by remedial project managers on UXO and petroleum sites.

128D RESPONSE PROGRAM SITE LISTS 2020

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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.

List of EPA NPL Sites - FY2020

	<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

List of Sites Eligible for Possible Listing Under EPA CERCLA - FY2020

	<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 FY2020 Release Notification Log lists 391 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 275 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 147 cases requiring on-site visits or off-scene coordination. 85 cases were referred to other agencies.

HEER Office SOSCs actively participated in 15 oil and chemical release drills working with various commercial and response organizations.

HEER Office Emergency Response Actions - FY2020

<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>
391	275	126	On-site: 37 Off-site: 110	To HEER SDAR: 33 To Other Agencies: 52

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HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
	Island	Unit Name	Case Number	Substances	Media
1	Oahu	Potential Release from a Grounded Vessel	20190703-0537	Diesel Oil/Marine Gas Oil	Ocean
2	Oahu	Unknown Substance on Ocean Off Makaha Coast	20190703-1125	Liquid	Ocean
3	Hawaii	Potential UST Leak from Texaco Gas Station in Hilo	20190703-1720	Diesel Oil/Marine Gas Oil	Soil
4	Oahu	Car Slid into Kahului Harbor	20190704-0737	Gasoline	Ocean
5	Oahu	Alarm at Hawaii State Labs	20190705-2217	None	Within Facility
6	Oahu	Fish Kill in Kewalo Basin	20190706-1411	Unknown	Ocean
7	Oahu	Diesel Spill at Kalaeloa Harbor, Pier 5	20190707-1911	Diesel Oil/Marine Gas Oil	Ocean
8	Oahu	"Ola Olena" boat sinking at slip, Ala Wai boat harbor	20190708-0820	Diesel Oil/Marine Gas Oil	Ocean
9	Oahu	PAR pipeline leak, Pearl Harbor area	20190708-1310	Jet Fuel/Kerosene	Soil
10	Oahu	"Nunui" Dumping	20190708-1533	Waste Oil	Ocean
11	Oahu	Single Point Mooring Pipeline Upgrade	20190709-1341	Crude Oil	Groundwater
12	Maui	MECO Pad Mounted Transformer #19558 - 140 Hookele St., Kahului, HI	20190710-0914	Mineral Oil/Transformer Oil	Storm Drain
13	Hawaii	HELCO Transformers (3) Release Pole 5-Milo St. Ookala	20190711-1645	Mineral Oil/Transformer Oil	Soil
14	Oahu	Refinery Flare release- Pilot failure	20190712-0625	Gas	Air
15	Oahu	Report of used Syringes on property (DHS Drop Box)	20190715-1334	Container	Drum/Container
16	Oahu	Fish Kill at Ala Wai Small Boat Harbor	20190716-1020	Unknown	Ocean
17	Oahu	Par West pin holes in epoxy seal Eff. Oxi Tank	20190716-1536	Liquid	Groundwater
18	Oahu	C/C of Honolulu Refuse Division release	20190716-1600	Diesel Oil/Marine Gas Oil	Asphalt
19	Oahu	Honolulu Disposal Truck Hydraulic Spill	20190717-1315	Hydraulic Oil	Asphalt
20	Oahu	C/C Honolulu backhoe hydraulic hose rupture Kaneohe	20190722-0814	Hydraulic Oil	Vegetation
21	Oahu	HECO Transformer Leak #70805	20190722-1220	Mineral Oil/Transformer Oil	Soil
22	Oahu	PAR East blast at Catalyst Reforming Unit	20190722-1403	Unknown	Air
23	Oahu	Alleged daily ocean dumping of sewage by tour boat near Kahe Point Beach Park, Oahu	20190722-1626	Sewage	Ocean
24	Oahu	Foss Maritime tug hydraulic oil hose ruptures	20190722-1728	Hydraulic Oil	Ocean
25	Oahu	Propane leak Navy Shipyard, Pearl Harbor	20190723-0834	Compressed Gas Cylinder	Air
26	Oahu	HECO Release Transformer #72764	20190723-0952	Mineral Oil/Transformer Oil	Soil
27	Oahu	Malathion odor response by HFD, Kaimuki	20190723-1247	Malathion	Air

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28	Oahu	Ala Moana Shopping Center Makai Food Court evacuation	20190723-1711	Unknown	Air
29	Oahu	Dust complaint Waialua	20190724-1144	Powder	Air
30	Oahu	MasterSeal M200 spill Kalaeloa Boulevard, Kapolei	20190725-1207	Liquid	Asphalt
31	Oahu	Waste oil spill Pearl Harbor Shipyard	20190725-1641	Waste Oil	Concrete
32	Oahu	Kapalama Container Terminal Project (aka KMR) Portland Cement release	20190726-1602	Powder	Asphalt
33	Oahu	Strong Malathion odor, North Shore, Oahu	20190726-1749	Malathion	Air
34	Oahu	Motor Oil Spill in Loading Area at Pearl Harbor	20190729-1015	Lube Oil/Motor Oil	Asphalt
35	Maui	Camp One Dump	20190731-0835	Asbestos (friable)	Soil
36	Oahu	USS Port Royal Paint Spill	20190801-1931	Paint (Oil-based)	Ocean
37	Oahu	Skin Irritation After Paddling in the Area	20190803-1040	Unknown	Ocean
38	Oahu	Unknown Oil Spill from Tow Truck Yard	20190806-0823	Lube Oil/Motor Oil	Concrete
39	Oahu	Diesel spill Joint Traffic Management Center, Honolulu	20190806-1024	Diesel Oil/Marine Gas Oil	Gravel
40	Kauai	Maverick Helicopters Port Allen, Kauai	20190807-1618	None	Soil
41	Oahu	American Challenger tugboat diesel spill, Honolulu Harbor	20190808-1020	Diesel Oil/Marine Gas Oil	Ocean
42	Oahu	R/V Little Toot DOC 555183	20190808-1518	Oily Water Mixture	Ocean
43	Oahu	Submerged sailboat MCBH's Marina	20190809-1024	None	Ocean
44	Oahu	Oil Spill at Pearl Harbor, Pier B-17	20190809-1240	Other	Ocean
45	Oahu	IES Jet fuel pipeline release	20190811-1040	Jet Fuel/Kerosene	Soil
46	Kauai	Coolant spill Lihue airport	20190812-1132	Ethylene glycol	Asphalt
47	Oahu	Mysterious sheen Honolulu Harbor pier 31	20190813-0706	Unknown	Ocean
48	Oahu	HIARNG diesel spill @ B117	20190813-1333	Diesel Oil/Marine Gas Oil	Concrete
49	Lanai	Boat fire off Shipwreck Beach, Lanai	20190813-1506	None	Ocean
50	Oahu	Leaking gasoline pump Shell Gas Station, Aiea	20190813-1707	Gasoline	Concrete
51	Oahu	Drums on side of road	20190814-1140	Unknown	Soil
52	Oahu	Grace Pacific hydraulic oil spill at Kaiser Hospital, Red Hill	20190814-1352	Hydraulic Oil	Asphalt
53	Oahu	West Oahu Aggregate hydraulic Oil Spill	20190815-1333	Hydraulic Oil	Asphalt
54	Kauai	Vessel washed ashore Waimea Beach, Kauai	20190815-1454	Gasoline	Sand
55	Oahu	Lots of bubbles and filmy substance on water, White Plains Beach	20190816-0605	Unknown	Ocean

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56	Maui	Hale Makua Health Services Chlorine incident	20190816-0934	Chlorine	Air
57	Kauai	Abandoned vessel "Lady Hawk II" Hanalei Bay, Kauai	20190816-1454	Diesel Oil/Marine Gas Oil	Ocean
58	Oahu	HECO Copper Exceedance	20190816-1542	Wastewater	Ocean
59	Kauai	Sailboat grounded on break wall @ Hanamaulu Bay, Kauai	20190816-1649	Diesel Oil/Marine Gas Oil	Ocean
60	Oahu	Fishing boat capsized outside Waianae Boat Harbor	20190818-0544	Gasoline	Ocean
61	Oahu	Sheen on Groundwater from HART Excavation	20190819-1825	Unknown	Groundwater
62	Oahu	Filmy substance on water and lots of persistent bubbles, White Plains Beach	20190820-0612	Unknown	Ocean
63	Oahu	Pick-up Crashed into Drainage Ditch by Temple Valley	20190822-1539	Gasoline	Stream
64	Molokai	Molokai lead contamination	20190822-1540	Lead	Soil
65	Oahu	Out Board Motor in Water in Ala Wai Harbor	20190823-0943	Gasoline	Ocean
66	Oahu	Unknown Sheen at Pier 31 in Honolulu Harbor	20190823-1303	Unknown	Ocean
67	Oahu	Possible Paint in the Ala Wai Canal	20190824-1453	Liquid	Other
68	Maui	Drums on Honualua Property	20190826-1449	Used Oil	Within Facility
69	Oahu	Dewatering Discharged onto another property	20190826-1701	Water	Soil
70	Oahu	Unknown Sheen, unknown source	20190826-1915	Oil	Other
71	Oahu	Kanai Trucking, LLC 18xwheeler hydraulic fluid release	20190827-1300	Hydraulic Oil	Soil
72	Oahu	Red Dye Testing	20190827-1512	Solid Waste	Ocean
73	Maui	MECO Transformer No. 15248	20190827-1838	Mineral Oil/Transformer Oil	Concrete
74	Oahu	Sewage Spill from USS Hawaii	20190827-1900	Sewage	Ocean
75	Oahu	Unknown Substance in Ala Wai Canal	20190829-0852	Liquid	Stream
76	Oahu	Lube Oil from Tow Line Dripped into Harbor	20190829-1100	Lube Oil/Motor Oil	Ocean
77	Oahu	Petroleum impacted soil	20190830-1006	Gasoline	Soil
78	Oahu	Possible Misuse of Round-Up	20190904-1440	Liquid	Soil
79	Kauai	PAR Hawaii Jet A spill Nawiliwili	20190908-1231	Jet Fuel/Kerosene	Ocean
80	Oahu	USS Hawaii cooking oil spill	20190908-1745	Edible/Vegetable Oil	Ocean
81	Oahu	Marisco night-time sand blasting activities, Barbers Point Deep Draft Harbor	20190908-1836	Powder	Ocean
82	Oahu	Oil spill @ HI DOT's sed oil accumulation area, Honolulu Harbor pier 17	20190909-1524	Used Oil	Concrete

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83	Oahu	Petroleum Contamination with Water Main Break	20190912-1150	Unknown	Groundwater
84	Oahu	HECO Pad-Mount Transformer No. 68441 Oil Release	20190912-1446	Mineral Oil/Transformer Oil	Soil
85	Oahu	Unknown Sheen in Honolulu Harbor Pier 32	20190913-2308	Unknown	Ocean
86	Oahu	Boat Run Aground at Baby Makapuu	20190914-0052	Diesel Oil/Marine Gas Oil	Ocean
87	Oahu	Unknown Sheen Reported Near Fort DeRussy	20190914-1037	Unknown	Ocean
88	Oahu	F/V Miss Emma on fire	20190917-1730	Diesel Oil/Marine Gas Oil	Ocean
89	Hawaii	Complaint: Chemical odor from bunker	20190919-1445	Unknown	Air
90	Oahu	Brom-o-gas 2% abandoned cylinders	20190919-1508	Methyl bromide	Within Facility
91	Oahu	Abandoned Drum Coral Sea Road	20190921-0754	Oil, Waste	Drum/Container
92	Oahu	Unknown Sheen	20190922-1609	Oil	Ocean
93	Niihau	Grounded vessel Niihau	20190923-0719	None	Coral
94	Oahu	Project - Bird trailer relocation to Honolulu Zoo	20190923-0800	None	Asphalt
95	Oahu	Military vehicle hydraulic oil leak Schofield Barracks	20190923-1313	Hydraulic Oil	Asphalt
96	Oahu	Filmy substance on water and persistent bubbles - White Plains Beach, Kapolei	20190924-0700	Unknown	Ocean
97	Oahu	Malathion sprayed at residential house, Aina Haina	20190924-1555	Malathion	Concrete
98	Oahu	USS North Carolina submarine mysterious sheen, Pearl Harbor	20190925-1319	Oil	Ocean
99	Oahu	HECO Transformer Pad Mount #70843	20190926-0834	Mineral Oil/Transformer Oil	Soil
100	Oahu	HECO Pad-Mount Transformer # 68442	20190926-0842	Mineral Oil/Transformer Oil	Soil
101	Oahu	West Oahu Aggregate fuel spill @ Hoonee Place	20190926-1011	Diesel Oil/Marine Gas Oil	Soil
102	Oahu	Boat illegally docked at Ala Wai Boat Harbor	20190926-1143	Oil	Ocean
103	Oahu	Chlordane contamination discovery at Solomon Elementary, Wahiawa	20190927-0920	Chlordane	Soil
104	Oahu	30' sailboat "Keanui Kai" grounding, Magic Island	20190930-1119	Gasoline	Ocean
105	Oahu	Sheen, Honolulu Harbor pier 31	20190930-1259	Oil	Ocean
106	Oahu	Diesel Release from a Day Tank for an Emergency Generator	20191004-1525	Diesel Oil/Marine Gas Oil	Soil
107	Kauai	Capsized Vessel on Napali Coast	20191006-1110	Diesel Oil/Marine Gas Oil	Ocean
108	Maui	Potential Canec in House	20191007-1213	Canec	Other
109	Oahu	USS Arizona Memorial oil discharge	20191009-1042	Oil	Ocean

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110	Oahu	USS Arizona Continual Oil Release	20191009-1100	Oil	Ocean
111	Oahu	868 Queen Street Release	20191009-1243	Oil, lead	Soil
112	Oahu	Unknown Sheen, unknown source	20191010-1208	Diesel Oil/Marine Gas Oil	Ocean
113	Oahu	Par - IES Pipeline Manifold Tie-in Contaminated Soil	20191011-1038	Other	Soil
114	Oahu	TheBus No. 206 Engine Oil Release	20191011-1248	Lube Oil/Motor Oil	Asphalt
115	Oahu	Contaminated Soil Discovered During Rail Excavation	20191011-1413	Oil	Groundwater
116	Oahu	Diesel Spill from Refueling at Pearl Harbor	20191014-1440	Diesel Oil/Marine Gas Oil	Ocean
117	Oahu	Unknown Sheen, unknown source	20191016-0815	Oil	Ocean
118	Oahu	Food Oil Dumping at Restaurant	20191018-0720	Edible/Vegetable Oil	Soil
119	Oahu	HECO transformer No. 34418 release	20191018-1545	Mineral Oil/Transformer Oil	Soil
120	Oahu	HECO transformer No. 68843 leak	20191021-0755	Mineral Oil/Transformer Oil	Soil
121	Kauai	Grounded sailboat Nawiliwili Small Boat Harbor	20191021-2019	Diesel Oil/Marine Gas Oil	Ocean
122	Kauai	Pacific Missile Range Jet A spill	20191022-1059	Jet Fuel/Kerosene	Asphalt
123	Oahu	YK Drilling hydraulic oil spill, Aiea	20191022-1134	Hydraulic Oil	Asphalt
124	Hawaii	Herbicide application complaint, Pa'auilo, Big Island	20191022-1331	Herbicide	Soil
125	Oahu	USCG Cutter Kimball lubricating oil spill, Honolulu Harbor	20191023-1522	Lube Oil/Motor Oil	Ocean
126	Maui	Grounded sailboat "Lani Kua", Olowalu, Maui	20191024-0917	Diesel Oil/Marine Gas Oil	Ocean
127	Oahu	Fallen HECO transformer, Kaneohe	20191024-2200	Vegetable Oil/Transformer Oil	Storm Drain
128	Oahu	transformer leaking Schofield Barracks WWTP	20191025-1130	Mineral Oil/Transformer Oil	Soil
129	Oahu	Hydrochloric Acid spill Pearl Harbor Dry Dock 2	20191025-1236	Hydrochloric acid	Concrete
130	Oahu	Leaking Pad-mount transformer, Wheeler Army Airfield	20191025-1323	Mineral Oil/Transformer Oil	Soil
131	Kahoolawe	Grounded sailboat, Kahoolawe	20191027-1227	Diesel Oil/Marine Gas Oil	Ocean
132	Oahu	Car drove into Ala Wai Boat Harbor	20191028-0017	Gasoline	Ocean
133	Oahu	USS Chung Hoon Release	20191029-1412	Diesel Oil/Marine Gas Oil	Ocean
134	Oahu	Demolition of Jet Fuel Line	20191030-1439	Jet Fuel/Kerosene	Within Facility
135	Oahu	USN Warship 90 Lube Oil Release	20191031-0000	Lube Oil/Motor Oil	Ocean
136	Oahu	Bubbles on water at White Plains Beach	20191031-0630	Unknown	Ocean
137	Oahu	Bubbles and filmy substance on water, White Plains Beach	20191101-0620	Unknown	Ocean

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138	Oahu	Pier 31 Petroleum Odor	20191101-1243	Unknown	Air
139	Maui	Allegations of illegal dumping	20191101-1535	Biohazard/Medical Waste	Soil
140	Oahu	Contamination Found in Pipe During HART Excavation	20191101-1540	Unknown	Soil
141	Oahu	Gate B4 Jet fuel Release	20191102-0830	Jet Fuel/Kerosene	Concrete
142	Oahu	Allegation of diesel dumping into Pokai Bay	20191105-1411	Diesel Oil/Marine Gas Oil	Ocean
143	Hawaii	Fuel delivery overfill at gasoline station, Kamuela	20191106-0519	Gasoline	Asphalt
144	Oahu	HART Nimitz staging area pre-occupying environmental screening	20191106-1036	Lead	Soil
145	Oahu	Matson Container Ship "Kamokuiki" heavy fuel oil spill, Honolulu Harbor pier 20	20191106-1656	Fuel Oil	Ocean
146	Oahu	Alleged diesel spill Ko'olina Marina	20191107-1126	Diesel Oil/Marine Gas Oil	Ocean
147	Oahu	Used cleaning liquid dumping, Ala Moana Shopping Center	20191107-1138	Liquid	Storm Drain
148	Oahu	Boat grounding Kahoolawe	20191111-0914	Gasoline	Ocean
149	Oahu	Grounded sailboat Magic Island	20191111-1702	Unknown	Ocean
150	Oahu	HECO transformer 60995 spill, Honolulu	20191112-1536	Vegetable Oil/Transformer Oil	Concrete
151	Oahu	Sheen on Groundwater at Board of Water Pump Station	20191113-1554	Unknown	Groundwater
152	Oahu	Hydraulic Spill on Dillingham Blvd.	20191114-0939	Hydraulic Oil	Asphalt
153	Maui	Blood Spill Cleanup Protocol	20191114-1051	Biohazard/Medical Waste	Sand
154	Oahu	Possible AST Leak	20191114-1519	None	Soil
155	Oahu	Possible Arsenic in Soil	20191114-1536	Arsenic	Soil
156	Kauai	Drops of Hydraulic Fluid from Pride of America	20191115-1242	Hydraulic Oil	Ocean
157	Molokai	MECO Pole-mount Transformers 18976, 18977, and 18972	20191118-1645	Mineral Oil/Transformer Oil	Soil
158	Oahu	Hawaii Hochi contamination discovery, Kokea Street	20191119-1558	Oil, lead	Soil
159	Oahu	HART contamination discovery Dillingham Boulevard	20191121-1523	Lead	Soil
160	Oahu	HART potential contamination 1234 Kona Street	20191121-1535	Gas	Soil
161	Hawaii	Tub Tile Coating Odors	20191122-1430	Butyl acetate	Air
162	Hawaii	Alleged Paint Fumes	20191123-0137	Solid Waste	Air
163	Oahu	Alleged illegal painting of vehicle	20191123-0809	Solid Waste	Air
164	Oahu	S/V Snuggler	20191124-1012	Gasoline	Ocean

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165	Oahu	Brown Plume in Ala Wai Canal	20191125-0940	Liquid	Stream
166	Oahu	Allegations of neighbor poisoning her, Ewa Beach	20191125-1204	Unknown	Air
167	Oahu	Neighbor started a boat business & odors bothering Them	20191125-1557	Unknown	Air
168	Kauai	Grounded boat, Kapa'a	20191126-0903	Gasoline	Ocean
169	Oahu	Sheen around USS Michael Murphy	20191126-1047	Oil	Ocean
170	Kauai	Kauai High School chemical storage cabinet ill effects when opened	20191126-1052	Gas	Air
171	Hawaii	Fuel spill from General Aviation aircraft N4682	20191127-1017	Jet Fuel/Kerosene	Asphalt
172	Oahu	NOAA's "Oscar Elton Sette" diesel spill	20191127-1620	Diesel Oil/Marine Gas Oil	Ocean
173	Oahu	USS William P. Lawrence	20191130-1040	Water	Ocean
174	Oahu	Grounded sailboat Keehi Lagoon	20191130-1151	Diesel Oil/Marine Gas Oil	Ocean
175	Oahu	Tajiri Lumber	20191204-0838	Oil	Soil
176	Oahu	Unknown Sheen in Honolulu Harbor	20191204-0927	Diesel Oil/Marine Gas Oil	Ocean
177	Oahu	Gasoline Spill at a Gas Station	20191204-1740	Gasoline	Concrete
178	Oahu	Hydraulic Oil Spill at Ford Island	20191205-0930	Hydraulic Oil	Ocean
179	Oahu	Contaminated Soil Discovered at Job Site	20191205-1531	Unknown	Groundwater
180	Hawaii	Diesel Fuel Spill into Water from Sport Fishing Vessel	20191206-1557	Diesel Oil/Marine Gas Oil	Ocean
181	Hawaii	Overfill on AST in Hilo	20191209-1630	Diesel Oil/Marine Gas Oil	Concrete
182	Oahu	Infectious Waste on Farrington Highway	20191211-1709	Biohazard/Medical Waste	Other
183	Oahu	Possible Contaminated Soil from HART Shaft	20191212-1155	Unknown	Soil
184	Maui	White Powder in Envelope	20191212-2240	Unknown	Within Facility
185	Oahu	AES Anhydrous Ammonia release NRC notification	20191218-1102	Ammonia	Air
186	Oahu	AES anhydrous Ammonia relief valve release RP notification	20191218-1428	Ammonia	Air
187	Maui	MECO transformer no. 16484 leak at AMFAC pump #5	20191219-1304	Mineral Oil/Transformer Oil	Concrete
188	Oahu	HECO Transformer No. 71487 leak	20191219-1312	Mineral Oil/Transformer Oil	Soil
189	Oahu	Radioactive instrument gauges Dillingham Airfield storage yard	20191220-0728	Radionuclides (including radon)	Air
190	Maui	MECO transformer 9796 spill, Kauhale Makai Resort	20191220-1120	Vegetable Oil/Transformer Oil	Soil
191	Oahu	HFD Station 25 UST leak	20191220-1609	Diesel Oil/Marine Gas Oil	Soil

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192	Oahu	Fishing boat "Kekahi Too"	20191221-0911	Diesel Oil/Marine Gas Oil	Ocean
193	Hawaii	Fishing boat "EZ Pickens" diesel spill while fueling	20191222-1356	Diesel Oil/Marine Gas Oil	Ocean
194	Hawaii	Mixture of Chemicals to Make H2S	20191223-1033	Liquid	Air
195	Oahu	HECO Release Transformer #36509	20191223-1041	Mineral Oil/Transformer Oil	Soil
196	Oahu	HECO Release Transformer #67756	20191223-1109	Mineral Oil/Transformer Oil	Soil
197	Maui	MECO Release Transformer #5720	20191224-1249	Mineral Oil/Transformer Oil	Other
198	Kauai	Potential Release from a Jet Ski	20191225-0805	Diesel Oil/Marine Gas Oil	Ocean
199	Oahu	Roof of Makai Pier Blown Off into Ocean.	20191226-0918	Other	Ocean
200	Oahu	Pressure Washer Water into Pearl Harbor	20200101-1101	Wastewater	Ocean
201	Oahu	Former Custodian Cottage Lead Paint Release	20200102-1111	Lead	Soil
202	Maui	MECO Release Transformer #18060	20200103-1200	Mineral Oil/Transformer Oil	Concrete
203	Oahu	Unknown sheen within vicinity of Port Royal	20200106-0850	Oil	Ocean
204	Oahu	Moderate oil sheen Kaiolu Street, Waikiki	20200110-0901	Edible/Vegetable Oil	Asphalt
205	Oahu	Navy SEAL Team rescued by USCG & C/C 1st Responders when their boats sink in Kaneohe Bay	20200110-1501	Gasoline	Ocean
206	Oahu	Sheen on Water in an Excavation Pit	20200114-1017	Unknown	Groundwater
207	Oahu	Transmission Fluid Release from USS Port Royal	20200114-1140	Transmission Fluid	Ocean
208	Oahu	HECO Release Transformer #73017	20200116-1124	Mineral Oil/Transformer Oil	Soil
209	Oahu	HECO Transformer #71355 Leak	20200116-1200	Mineral Oil/Transformer Oil	Soil
210	Oahu	HECO Release Transformer #64375	20200116-1212	Mineral Oil/Transformer Oil	Soil
211	Oahu	Unknown Sheen Discovered in Kalihi Stream	20200116-1523	Unknown	Stream
212	Oahu	Transformer Oil Release Due to Fallen Telephone Pole	20200117-0811	Mineral Oil/Transformer Oil	Storm Drain
213	Oahu	HECO Release Transformer #66426	20200117-1030	Mineral Oil/Transformer Oil	Soil
214	Oahu	Asphalt Spill at Asphalt Plant	20200117-1336	Asphalt/Creosote	Asphalt
215	Kauai	Alaska Airlines fuel spills (2) Lihue Airport	20200127-0959	Jet Fuel/Kerosene	Concrete
216	Oahu	Safeway Beretania hydraulic oil spill	20200127-1043	Hydraulic Oil	Within Facility
217	Oahu	Boat "Splendour" removal concerns @ Ala Wai Boat Harbor's old dry dock.	20200129-0944	Oil	Ocean
218	Oahu	USS William P. Lawrence purple residue @ PH Bravo pier	20200129-1425	Hydraulic Oil	Ocean

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219	Oahu	Sheen Ala Wai Boat Harbor dock 60	20200130-0937	Oil	Ocean
220	Oahu	HART Middle Street Transit Center petroleum discovery	20200130-1700	Oil	Soil
221	Oahu	Sewage Spill in building	20200130-2030	Sewage	Within Facility
222	Oahu	Hawaii Air Guard F22 fuel spill on Flight Line R11	20200131-0801	Jet Fuel/Kerosene	Asphalt
223	Hawaii	Request for sewage spill information Naalehu area	20200131-0903	Sewage	Soil
224	Oahu	Abandoned UST at KCC cut open and leaked	20200131-1117	Diesel Oil/Marine Gas Oil	Soil
225	Maui	Sheen Molokini Island	20200131-1238	Oil	Ocean
226	Oahu	Sheen Ala Wai Canal McCully Bridge	20200202-1748	Unknown	Ocean
227	Oahu	Sheen Ala Wai Canal by Convention Center	20200202-1801	Unknown	Ocean
228	Oahu	Construction Material Going into Storm Drain	20200203-1051	Liquid	Storm Drain
229	Hawaii	Vessel Grounded Outside of Hilo Bay	20200203-2031	Diesel Oil/Marine Gas Oil	Ocean
230	Kauai	Auto Fluids Being Leaked on to Driveway	20200204-0857	Lube Oil/Motor Oil	Soil
231	Oahu	Gas Tank Washed up by USCG Station and Created Sheen	20200205-0808	Gasoline	Ocean
232	Oahu	Small Spill into Puddle	20200205-0931	Lube Oil/Motor Oil	Other
233	Oahu	Diesel Release from Pipeline at Honolulu Harbor Pier 32	20200205-1158	Diesel Oil/Marine Gas Oil	Ocean
234	Oahu	Contaminated Soil from Dillingham Utility Work	20200205-1309	Other	Soil
235	Oahu	Black Sheen Reported by Pier 20	20200206-0749	Lube Oil/Motor Oil	Ocean
236	Oahu	Reduction Oil Release from USCG Vessel	20200206-0941	Lube Oil/Motor Oil	Ocean
237	Oahu	Fuel Spill at Honolulu Airport Gate F1	20200206-1101	Jet Fuel/Kerosene	Concrete
238	Maui	MECO Transformer #11346 Leaking	20200206-1200	Mineral Oil/Transformer Oil	Concrete
239	Hawaii	Kulaimano Elderly Housing contamination discovery	20200207-1055	Heptachlor (and epoxide)	Soil
240	Oahu	Unknown Sheen in Kewalo Basin	20200207-1450	Unknown	Ocean
241	Oahu	Unknown Sheen in Ala Wai Boat Harbor	20200208-1415	Unknown	Ocean
242	Oahu	Sailing Vessel "Prelude" Aground Near Kaimana Beach	20200209-1555	Diesel Oil/Marine Gas Oil	Ocean
243	Hawaii	Hydraulic Oil Spill from Drill Rig at PGV	20200210-0716	Hydraulic Oil	Soil
244	Maui	Pleasure Craft "Endurance" Aground	20200210-1705	Diesel Oil/Marine Gas Oil	Ocean
245	Kauai	Hydraulic Oil Spill at Hartung Brothers Farm	20200211-1425	Hydraulic Oil	Soil
246	Oahu	MCBH jet fuel discharged onto ground from secondary containment	20200212-1026	Jet Fuel/Kerosene	Storm Drain
247	Oahu	Oil Patches Discovered at Middle St Transfer Station Area	20200213-1455	Hydraulic Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
248	Kauai	Discharge of Substances into Storm Drain	20200214-1612	Petroleum Hydrocarbon	Storm Drain
249	Oahu	Sailing Vessel "Yellow Feather" HA 2815K Aground	20200216-1121	Gasoline	Ocean
250	Oahu	Sun Yat-Sen Memorial Park	20200217-1549	Diesel Oil/Marine Gas Oil	Soil
251	Kauai	Hydraulic Oil Release at Hartung farms	20200218-0835	Hydraulic Oil	Soil
252	Oahu	Fugitive Unknown Compressed Gas Cylinders	20200218-1004	Compressed Gas Cylinder	Drum/Container
253	Hawaii	Sheen in Borings Hilo Harbor pier 2 & 3	20200218-1640	Oil	Groundwater
254	Oahu	DC-10 dripping fuel onto tarmac, Castle and Cooke Aviation	20200219-0925	Jet Fuel/Kerosene	Asphalt
255	Oahu	Abandoned cylinders Waipahu Depot Street	20200219-1058	Compressed Gas Cylinder	Concrete
256	Oahu	High Lead Levels Discovered Near HART Maintenance Storage Area	20200219-1458	Lead	Soil
257	Oahu	High Lead from Soil in HART Stockpile	20200219-1557	Lead	Soil
258	Oahu	Abandoned sailboat found grounded on reef, Kaneohe Bay	20200220-1331	Diesel Oil/Marine Gas Oil	Coral
259	Oahu	Potable Water Release into Honolulu Harbor	20200221-0752	Liquid	Ocean
260	Kauai	Grace Pacific topcoat washed away, Kauai	20200221-1159	Oil	Storm Drain
261	Oahu	Odors coming down from above unit impacts caller, Pupukahi Street	20200221-1424	Odor	Air
262	Oahu	HART Street boring discovers contamination	20200221-1440	Unknown	Soil
263	Oahu	Plane crash Dillingham Airfield	20200222-2337	Aviation Gasoline	Soil
264	Oahu	Boat accidental discharged residual oil	20200223-1545	Lube Oil/Motor Oil	Ocean
265	Kauai	Possible Oil Sheen Seen on Pond	20200224-0836	Liquid	Stream
266	Hawaii	Possible Misuse of Pesticides	20200225-0900	Pesticides	Air
267	Oahu	HECO Transformer #71337 Release	20200226-0903	Mineral Oil/Transformer Oil	Soil
268	Oahu	HECO Transformer No. 56868, Release	20200227-0931	Mineral Oil/Transformer Oil	Soil
269	Hawaii	Arsenic in Soil Above EALS	20200227-1200	Arsenic	Soil
270	Oahu	Sewage Line Opened, Letting Sewage into Streets	20200228-1413	Sewage	Storm Drain
271	Oahu	Pepsi Truck Accident	20200228-1440	Diesel Oil/Marine Gas Oil	Storm Drain
272	Oahu	Possible Release from a Runaway Jet-Ski	20200228-2035	Gasoline	Ocean
273	Oahu	Burning of Surfboard Racks in Waikiki	20200301-1029	None	Sand
274	Oahu	Reported Chemical Smell at Diamond Head Alii Complex	20200301-1232	Gas	Air
275	Oahu	HECO Pole-mount Transformer #70914 Release	20200302-1443	Mineral Oil/Transformer Oil	Soil
276	Oahu	Abandoned five-gallon pail	20200303-1109	Used Oil	Drum/Container

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
277	Hawaii	IES Hilo Terminal Jet Fuel Spill	20200303-1532	Jet Fuel/Kerosene	Concrete
278	Oahu	HART Center Drive	20200306-1754	Hydraulic Oil	Soil
279	Oahu	Excavation exposing IES's pipeline	20200310-0723	Gasoline	Groundwater
280	Oahu	Island Mechanical Corp (IMC) hydraulic oil spill Young Street	20200310-1049	Hydraulic Oil	Asphalt
281	Oahu	Aloha Contract Services hydraulic oil spill	20200310-1840	Hydraulic Oil	Asphalt
282	Oahu	Dynamite disposal, Hilo	20200314-1602	Other	Other
283	Oahu	Vessel sinks at dock, Koko Marina	20200315-1001	Diesel Oil/Marine Gas Oil	Ocean
284	Molokai	Sailboat Aground Off of Molokai	20200316-0814	Diesel Oil/Marine Gas Oil	Ocean
285	Oahu	3017 Nihi Street Fugitive Paint Buckets	20200316-1203	Solid Waste	Drum/Container
286	Kauai	Transformer Oil Spill Due to Rain and Wind	20200316-1322	Mineral Oil/Transformer Oil	Storm Drain
287	Oahu	Hart Project Hit a Gas Line at Kaaahi Street and Kaaahi Place	20200316-2032	Gas	Air
288	Oahu	Hart Project Hit a Gas Line on Dillingham	20200317-0218	Gas	Air
289	Oahu	Potential Release from a Sinking Boat	20200317-0812	Diesel Oil/Marine Gas Oil	Ocean
290	Oahu	Unknown Sheen in Pearl Harbor	20200317-0914	Unknown	Ocean
291	Maui	Vegetable Oil Spill from Vac truck	20200317-1030	Edible/Vegetable Oil	Ocean
292	Maui	Partially Submerged Vessel at Mala Mooring	20200317-2024	Diesel Oil/Marine Gas Oil	Ocean
293	Oahu	Gas Line Hit at Kaaahi Street from HART	20200318-0215	Gas	Air
294	Oahu	Possible Release of Oil from Young Brother Barge	20200318-0752	Unknown	Ocean
295	Oahu	Reported Oil and Auto Fluid Dumped into Storm Drain	20200318-1310	Lube Oil/Motor Oil	Storm Drain
296	Oahu	Forklift in Stream	20200318-1444	Diesel Oil/Marine Gas Oil	Stream
297	Oahu	Impounded Vessel at Keehi Harbor Sinking	20200318-1613	Diesel Oil/Marine Gas Oil	Ocean
298	Kauai	Fuel Spill from Damaged Fuel Tank	20200319-1133	Diesel Oil/Marine Gas Oil	Storm Drain
299	Oahu	Historic Contamination at an Old Midas Shop	20200320-1530	Hydraulic Oil	Soil
300	Hawaii	Over fuel At Honokohau Harbor	20200321-1400	Diesel Oil/Marine Gas Oil	Ocean
301	Oahu	Vessel Aground Near Outrigger Reef Hotel	20200321-1755	Diesel Oil/Marine Gas Oil	Ocean
302	Kauai	Sailboat ground Nawiliwili Harbor	20200325-0805	Gasoline	Sand
303	Oahu	HART Project petroleum rediscovery @ shaft 563	20200326-1342	Oil	Groundwater
304	Oahu	HART petroleum discovery during potholing activities			
	Oahu	Colburn/Dillingham	20200328-1225	Petroleum Hydrocarbon	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
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305	Oahu	Car's gas tank punctured by thief, Newtown Recreation Center	20200330-0938	Gasoline	Asphalt
306	Oahu	USCG Cutter Midgett Diesel Spill, Honolulu Harbor	20200331-0926	Diesel Oil/Marine Gas Oil	Within Facility
307	Oahu	Diesel Apill Honolulu Harbor Pier 38	20200401-0923	Diesel Oil/Marine Gas Oil	Ocean
308	Hawaii	Power washing wastewater entering storm drain, Kona Farmers Market	20200401-1548	Liquid	Storm Drain
309	Oahu	Grace Pacific Makakilo Quarry Hydraulic Release	20200401-1633	Hydraulic Oil	Soil
310	Maui	MECO Leak Transformer #21219	20200406-1435	Mineral Oil/Transformer Oil	Soil
311	Oahu	Ala Wai Slip 762 Sheen	20200408-0749	Diesel Oil/Marine Gas Oil	Ocean
312	Oahu	Hawaii Kai Marina "Fish-a-holic" Sinking	20200408-1156	Unknown	Ocean
313	Maui	Extra Space Storage White Powder Incident	20200408-1218	Unknown	Concrete
314	Oahu	Hele Street Chemicals in Canal	20200409-1122	Liquid	Lake
315	Maui	Old Propane Tank Discovered While Cleaning	20200411-1333	Compressed Gas Cylinder	Other
316	Oahu	Possible Contaminated Soil in HART Trench	20200413-0910	Unknown	Soil
317	Oahu	HECO Release Transformer #59328	20200413-1607	Mineral Oil/Transformer Oil	Soil
318	Oahu	Pesticide-like odor permeating the neighborhood	20200413-1944	Malathion	Air
319	Maui	MECO Release Transformer #16063	20200414-1211	Mineral Oil/Transformer Oil	Soil
320	Maui	MECO Release Transformer# 17072	20200414-1219	Mineral Oil/Transformer Oil	Soil
321	Oahu	HECO Release Transformer# 72746	20200414-1345	Mineral Oil/Transformer Oil	Soil
322	Oahu	Keeki Industrial Lot Boring Strong Hydrocarbon Odor	20200414-1500	Petroleum Hydrocarbon	Soil
323	Maui	Diesel Fuel in Maalaea Harbor	20200415-1445	Diesel Oil/Marine Gas Oil	Ocean
324	Oahu	Boat Ran Aground Off of Haleiwa	20200416-0914	Gasoline	Ocean
325	Oahu	Potential Raw Sewage Discharging from Property	20200417-1510	Solid Waste	Within Facility
326	Oahu	Hydraulic Release from a Forklift on Barge Mauna Loa	20200418-1710	Hydraulic Oil	Ocean
327	Oahu	HART - Spots of free product during dewatering	20200420-1305	Unknown	Groundwater
328	Oahu	HART soil stockpile	20200420-1725	Unknown	Soil
329	Maui	MECO Release Transformer #05306	20200422-1318	Mineral Oil/Transformer Oil	Soil
330	Oahu	Dean Foods/Meadow Gold Dairies Facility: Honolulu	20200422-1500	Ammonia, Diesel Oil/Marine Gas Oil	Within Facility
331	Oahu	Honolulu Harbor Hydraulic Oil Release	20200423-0836	Hydraulic Oil	Ocean

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	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
332	Oahu	Sky Ala Moana Development Chlordane Release	20200424-1421	Chlordane	Soil
333	Oahu	Unknown Sheen Near Sector Honolulu	20200425-0610	Unknown	Ocean
334	Oahu	Small Boat Sinking Off Laenani Beach Park	20200427-1652	Unknown	Ocean
335	Hawaii	HELCO Transformer Spill Due to Fallen Tree	20200427-2000	Mineral Oil/Transformer Oil	Soil
336	Oahu	Rail Potholing Activities Petroleum Detected Dillingham	20200430-1623	Petroleum Hydrocarbon	Asphalt
337	Hawaii	HELCO Submersible Transformer #16302 Release	20200501-1110	Mineral Oil/Transformer Oil	Soil
338	Oahu	Concerns of Cannabis Grown on Farmlands	20200501-1328	Container	Other
339	Oahu	Motor Oil Spill in Schofield Barracks	20200504-1342	Lube Oil/Motor Oil	Asphalt
340	Oahu	Kaneaki Stream Bridge Fugitive Drum	20200504-1629	Solid Waste	Drum/Container
341	Oahu	HECO Waiau tank farm LSFO spill	20200505-1920	Fuel Oil	Gravel
342	Oahu	FedEx transmission oil spill airport Gate 1B	20200506-0400	Transmission Fluid	Asphalt
343	Oahu	Fish Guts by the Docks	20200506-2323	Container	Ocean
344	Oahu	Brownish Water in Ala Wai Harbor	20200507-0941	Liquid	Ocean
345	Oahu	Very Strong Odor from Neighbor's Pet Waste	20200508-0827	Odor	Air
346	Oahu	Fugitive 4 x 5-gallon paint buckets	20200508-1100	Paint (Oil-based)	Within Facility
347	Hawaii	Unknown Liquid at Residence	20200508-1347	Container	Other
348	Oahu	Sheen Ala Wai Boat Harbor	20200508-1633	Oil	Ocean
349	Oahu	Boat sinks at Kapilina Marina dock	20200509-0523	Diesel Oil/Marine Gas Oil	Ocean
350	Oahu	Large Sheen Ala Wai boat harbor slips 41 - 79	20200510-0918	Oil	Ocean
351	Maui	MECO Release Transformer #15734	20200511-1121	Mineral Oil/Transformer Oil	Concrete
352	Maui	Maui Paving Camp 10 AST Backhoe Incident	20200511-1242	Bunker C/IFO/HFO	Soil
353	Oahu	Kohou Street Contamination in Pothole 67.5	20200511-1610	Solid Waste	Asphalt
354	Oahu	Pole-mount transformer #93209 pulled down, Hoohaku Street	20200512-0814	Mineral Oil/Transformer Oil	Asphalt
355	Kauai	Abandoned boat washed ashore Pila'a Beach, Kauai	20200512-0826	None	Sand
356	Oahu	Alleged sewage washing ashore Beach Access 59A, Kaneohe Bay	20200512-1630	Sewage	Sand
357	Oahu	Lehua Ave Paint Chips Left on Sidewalk	20200513-1254	Solid Waste	Concrete
358	Oahu	Sheen Honolulu Harbor Kapalama channel	20200515-0756	Oil	Ocean
359	Oahu	Marine flare found in Mokule'ia	20200515-1141	Phosphorus (yellow or white)	Air

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
360	Oahu	Abandoned shipping container (Trailer A) with totes inside, Kuleana Road	20200515-1317	Lube Oil/Motor Oil	Gravel
361	Oahu	Hele Gas Station UST Facility ID 9-102491	20200519-1300	Gasoline	Groundwater
362	Oahu	Odor Complaints at the End of Lagoon Drive	20200520-1352	Odor	Air
363	Oahu	Unknown Sheen in Ala Wai Small Boat Harbor	20200523-0819	Unknown	Ocean
364	Oahu	Abandoned Trailer (Trailer B) with Waste Oil and Tires Inside	20200524-0820	Oily Waste	Impermeable Surface
365	Kauai	Sewage Spill Near Hanapepe Sewage Pump Station	20200524-1755	Sewage	Soil
366	Oahu	Abandoned shipping container (Trailer 3), Kapolei	20200526-0930	Oil	Gravel
367	Oahu	Grounded sailboat Sand Island channel, Keehi Lagoon	20200526-1550	Container	Ocean
368	Maui	MECO Leak Transformer #17679	20200528-1603	Mineral Oil/Transformer Oil	Soil
369	Oahu	Lead Soil Contamination at Hibiscus Drive	20200529-0825	Lead	Soil
370	Oahu	Three Drums Pushed Over at Sand Island Repair Shop	20200601-0934	Transmission Fluid	Concrete
371	Oahu	Latex paint Spill from Truck	20200601-1030	Liquid	Asphalt
372	Oahu	Unknown Sheen in Pearl Harbor by Arizona Street	20200602-1345	Unknown	Ocean
373	Oahu	HECO Pad-mount Transformer #75747 Release	20200602-1426	Mineral Oil/Transformer Oil	Soil
374	Oahu	HECO Release Transformer #65841	20200602-1455	Mineral Oil/Transformer Oil	Soil
375	Oahu	HECO Release Transformer #69943	20200604-0900	Mineral Oil/Transformer Oil	Soil
376	Oahu	Par Hawaii Processing Unit Down	20200606-0843	Sulfur dioxide	Air
377	Oahu	Pearl Harbor Naval Shipyard Pier S15 Capsized Boat	20200608-0948	Gasoline	Ocean
378	Oahu	Complaint of Pesticide Misuse	20200610-1410	Liquid	Air
379	Oahu	Pacific Air Cargo jet fuel spill from Kalitta Air 747	20200615-0943	Jet Fuel/Kerosene	Asphalt
380	Oahu	PAR's pipeline valve box black oil discovery Kalaeloa Barbers Point Harbor, Pier 5	20200615-1138	Fuel Oil	Concrete
381	Oahu	cleaning chemical mixture dumping Kaahumanu Homes @ building 3	20200619-0954	Cleaning	Soil
382	Oahu	HECO Leak Transformer #53657	20200623-1223	Mineral Oil/Transformer Oil	Soil
383	Kauai	Fuel spill during hydro-static testing PAR Nawiliwili Harbor	20200623-1327	Jet Fuel/Kerosene	Ocean
384	Oahu	Foster Village Alleged Oil Dumping into Storm Drain	20200623-1445	Unknown	Storm Drain
385	Oahu	Honolulu Harbor Pier 18 Hydraulic Spill	20200623-1623	Hydraulic Oil	Ocean
386	Oahu	Contamination discovery Honolulu Harbor pier 31	20200623-1632	Oil, lead	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
387	Oahu	Water Sealant Spraying Causing Noxious Odors	20200624-1229	Odor	Air
388	Oahu	Unknown substance in air causing health problems, Makule Rd., Ewa Beach	20200624-1432	Odor	Air
389	Maui	MECO Leak Transformer #07982	20200625-0640	Mineral Oil/Transformer Oil	Soil
390	Oahu	Wahiawa Auto Repair Oil Dumping Complaint	20200625-1536	lube Oil/Motor Oil	Asphalt
391	Hawaii	Complaint that Emission from Car spray booth stinks	20200626-1441	Paint	Air

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 FY2020, HEER had oversight responsibilities for 1,461 active sites and reached No Further Action determinations at 29 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. 934 active sites under direct DOH oversight in the various State programs are listed. 24 state sites with known or suspected contamination received No Further Action Determinations. Of those, 13 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 527 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities.

Because the Air Force and Navy work systematically to address high priority sites first, the majority of these sites remaining are medium and low priority. In 2020, clean up decisions were reached at five DSMOA sites, four 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 FY2020

FY2020 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 FY2020 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	47	440	4	5	500
	Response	58	142	116	8	6	330
Brownfields	Assessment	0	2	17	0	0	19
	Response	2	11	3	1	0	17
VRP	Assessment	0	1	2	0	0	3
	Response	0	0	0	0	0	0
Site Discovery & PA/SI	Assessment	1	12	33	0	0	46
	Response	2	8	6	0	0	16
NPL	Assessment	0	0	0	0	0	0
	Response	0	2	1	0	0	3
Total		67	225	618	13	11	934

	Program Action	High Priority	Medium Priority	Low Priority	NFA	Total
DSMOA	Assessment	2	72	385	4	463
	Response	16	24	23	1	64
Total		18	96	408	5	527

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HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020								
	<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	Cocos	Cocos Island	Long Range Navigation Station Cocos Island	Low	Assessment	Hazard Undetermined	Ongoing	State
2	French Frigate	Tern Island	Tern Island	Low	Response	Hazard Present Hazard	Ongoing	State
3	Hawaii	Captain Cook	Hookena Elementary School	Low	Assessment	Undetermined Hazard	Ongoing	State
4	Hawaii	East Hawaii	DOE East Hawaii Schools	Medium	Assessment	Undetermined	Ongoing	State
5	Hawaii	Hakalau	Hakalau Pesticide Mixing and Seed Dipping Site	High	Response	Hazard Present Hazard	Ongoing	State
6	Hawaii	Hakalau	Hakalau School	Low	Assessment	Undetermined Hazard	Ongoing	State
7	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Undetermined Hazard	Inactive	State
8	Hawaii	Hakalau	Umauma Stream Bridge	Medium	Assessment	Undetermined Hazard	Ongoing	State
9	Hawaii	Hamakua	Hakalau Stream Bridge	High	Assessment	Undetermined Hazard	Ongoing	State
10	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park	Low	Assessment	Undetermined Hazard	Ongoing	State
11	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park Resource Management Area	Low	Assessment	Undetermined Hazard	Ongoing	State
12	Hawaii	Hawi	Harbottle Property	Low	Assessment	Undetermined Hazard	Ongoing	State
13	Hawaii	Hawi	Upolu Point Loran Station	Low	Assessment	Undetermined Hazard	Ongoing	Site Discovery
14	Hawaii	Hawi	Westrum	Medium	Assessment	Undetermined Hazard	Ongoing	State
15	Hawaii	Hilo	Agent Orange Application	Low	Response	Undetermined Hazard Managed with Institutional Controls	Inactive	State
16	Hawaii	Hilo	Aloha Petroleum Hilo East	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
17	Hawaii	Hilo	Aloha Petroleum Hilo West	Low	Response	Controls	Ongoing	State
18	Hawaii	Hilo	Big Island Asphalt Company, Inc.	Medium	Response	Hazard Present Hazard	Ongoing	State
19	Hawaii	Hilo	Big Island Energy Hilo	Low	Assessment	Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020								
	<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>
20	Hawaii	Hilo	Bunker Fuel Tank Overfill	Low	Response	Hazard Undetermined	Ongoing	State
21	Hawaii	Hilo	De Silva Elementary School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
22	Hawaii	Hilo	DHHL Panaewa GTE Hawaiian Tel - Kawaihina Central Office (Hilo) Chlordane Release	Low	Assessment	Hazard Undetermined	Ongoing	State
23	Hawaii	Hilo	Haaheo Elementary School Building Exterior Soils	Medium	Assessment	Hazard Undetermined	Ongoing	State
24	Hawaii	Hilo	Hatada Bakery, Former	Low	Response	Hazard Managed with Institutional Controls	Inactive	State
25	Hawaii	Hilo	Hawaii CCC Lead in Soil	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
26	Hawaii	Hilo	Hawaii Community College Hydraulic Lift	Low	Assessment	Hazard Undetermined	Ongoing	State
27	Hawaii	Hilo	Hawaii County DWS - Former Steel Water Tank Kawaihina Street, Hilo	Medium	Assessment	Hazard Present	Ongoing	State
28	Hawaii	Hilo	Hawaii County Kamehameha Avenue Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
29	Hawaii	Hilo	Hawaii Pest Control	Medium	Response	Hazard Present	Ongoing	State
30	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing	State
31	Hawaii	Hilo	Hilo Harbor Interisland Cargo Dock	Low	Assessment	Hazard Undetermined	Ongoing	State
32	Hawaii	Hilo	Hilo High School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
33	Hawaii	Hilo	Hilo Intermediate School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
34	Hawaii	Hilo	Hilo International Airport - West Ramp Demolition and Lease Lots	Low	Assessment	Hazard Undetermined	Ongoing	State
35	Hawaii	Hilo						

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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>
36	Hawaii	Hilo	Hilo International Airport Drainage Pipe Terminus from Former HT&T	Low	Assessment	Hazard Undetermined	Ongoing	State
37	Hawaii	Hilo	Hilo Memorial Hospital Heating Oil UST	Low	Response	Hazard Undetermined	Ongoing	State
38	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
39	Hawaii	Hilo	Hilo Radio Range	Low	Assessment	Undetermined	Ongoing	Site Discovery
40	Hawaii	Hilo	Hilo Terminal 595 Kalanianaʻole Avenue	Medium	Assessment	Hazard Undetermined	Ongoing	State
41	Hawaii	Hilo	Hilo Terminal Chevron	Medium	Response	Hazard Present Hazard Managed with Institutional Controls	Ongoing	State
42	Hawaii	Hilo	Hilo Union Elementary School Building Exterior Soils	Low	Response	Hazard Present Hazard Undetermined	Ongoing	State
43	Hawaii	Hilo	HPM Building Supply DBA-Hawaii Wood Protection, Inc.	Low	Assessment	Hazard Present Hazard Undetermined	Ongoing	State
44	Hawaii	Hilo	Ice Pond Hilo	Low	Assessment	Hazard Undetermined	Ongoing	State
45	Hawaii	Hilo	Kaawalii Gulch Naptha Spill	Low	Assessment	Hazard Undetermined	Ongoing	State
46	Hawaii	Hilo	Kanoelehua Industrial Warehouse	Low	Assessment	Hazard Undetermined Hazard Managed with Institutional Controls	Inactive	Brownfields Site
47	Hawaii	Hilo	Kapiolani Elementary School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
48	Hawaii	Hilo	Kaumana Elementary School Building Exterior Soils	Low	Response	Hazard Undetermined Hazard Managed with Institutional Controls	Ongoing	State
49	Hawaii	Hilo	Kaumana Springs	Low	Assessment	Hazard Undetermined Hazard Managed with Institutional Controls	Ongoing	State
50	Hawaii	Hilo	Keaukaha Elementary School Building Exterior Soils	Low	Response	Hazard Undetermined Hazard Managed with Institutional Controls	Ongoing	State
51	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Ongoing	HIANG
52	Hawaii	Hilo	Kumau Street Improvements Hilo Harbor Entrance	Medium	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>
53	Hawaii	Hilo	Lanakila Homes Phase 3B-4	Medium	Assessment	Hazard Present	Ongoing	State
54	Hawaii	Hilo	Lanakila Homes Phase I-III A	Low	Assessment	Hazard	Ongoing	State
55	Hawaii	Hilo	Arsenic Investigation			Undetermined		
56	Hawaii	Hilo	Larry's Waiakea Chevron	Low	Response	Hazard Present	Ongoing	State
57	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed	Low	Assessment	Hazard Present	Ongoing	Site Discovery
58	Hawaii	Hilo	Dipping Area					
59	Hawaii	Hilo	Mauna Kea Sugar Company - Hilo	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
60	Hawaii	Hilo	Sugar Pesticide Mixing Area					
61	Hawaii	Hilo	Old Hilo Canec Plant	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
62	Hawaii	Hilo	Petroleum Contamination	Low	Assessment	Hazard	Ongoing	State
63	Hawaii	Hilo	Discovery Hilo			Undetermined		
64	Hawaii	Hilo	Radio Bay Sediment Dredging	Low	Assessment	Undetermined	Ongoing	State
65	Hawaii	Hilo	Tesoro Hawaii Corporation, Terminal Department-701	Low	Assessment	Hazard	Ongoing	State
66	Hawaii	Hilo	Kalaniana'ole			Undetermined		
67	Hawaii	Hilo	Tesoro Hilo Terminal 2 Lead	Low	Assessment	Hazard	Ongoing	State
68	Hawaii	Hilo	Contamination			Undetermined		
69	Hawaii	Hilo	TOSCO Corporation - Hilo	Low	Assessment	Hazard Present	Ongoing	State
70	Hawaii	Hilo	Terminal (0276)					
71	Hawaii	Hilo	UH College of Tropical Agriculture and Human Resources Agent	Low	Assessment	Hazard	Ongoing	State
72	Hawaii	Hilo	Orange Mixing			Undetermined		
73	Hawaii	Hilo	UH Hilo Pacific Aquaculture and	Low	Assessment	Hazard	Ongoing	State
74	Hawaii	Hilo	Ocean Resources Center			Undetermined		
75	Hawaii	Hilo	UST excavated Bishop and	Low	Assessment	Hazard	Ongoing	State
76	Hawaii	Hilo	Kamehameha			Undetermined		
77	Hawaii	Hilo	Waiakea Intermediate School	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
78	Hawaii	Hilo	Building Exterior Soils					
79	Hawaii	Hilo	Waiakea Mill Company - Camp 2	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
80	Hawaii	Hilo	Waiakea Mill Company - Camp 6	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
81	Hawaii	Hilo	Waiakea Mill Company - Waiakea	Low	Assessment	Hazard	Ongoing	Site Discovery
82	Hawaii	Hilo	Uma Park			Undetermined		
83	Hawaii	Hilo	Waiakea Pond / Hawaii Cane	High	Response	Hazard Present	Ongoing	State
84	Hawaii	Hilo	Products Plant					

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72	Hawaii	Hilo	Waiakea Uka Community Center	Low	Assessment	Hazard Undetermined	Ongoing	State
73	Hawaii	Hilo	Waiakea Upland Arsenic Site	Low	Assessment	Hazard Present	Ongoing	State
74	Hawaii	Hilo	Waiakeawaena Elementary School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
75	Hawaii	Hilo	Wailoa River State Recreation Area	Medium	Assessment	Hazard Managed with Institutional Controls	Ongoing	Site Discovery
76	Hawaii	Hilo	Yamada Quarry Hilo	Low	Assessment	Hazard Undetermined	Ongoing	State
77	Hawaii	Holualoa	Holualoa Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
78	Hawaii	Honokaa	Hamakua Health Center	Low	Assessment	Hazard Undetermined	Ongoing	State
79	Hawaii	Honokaa	Hamakua Sugar Co. Inc, - Kawela Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
80	Hawaii	Honokaa	Honokaa Elementary, Intermediate and High School	Low	Assessment	Hazard Undetermined	Ongoing	State
81	Hawaii	Honolulu	Joint Traffic Management Center	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
82	Hawaii	Honolulu	Honolulu Sugar Company Poison Warehouse	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
83	Hawaii	Honolulu	Kolekole Stream Bridge	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
84	Hawaii	Honolulu	Paheehie Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
85	Hawaii	Kailua	Kealakehe Transfer Station	Medium	Assessment	Hazard Present	Ongoing	State
86	Hawaii	Kailua-Kona	Cellana Kona Demonstration Facility	Low	Assessment	No Hazard	NFA	State
87	Hawaii	Kailua-Kona	Hawaii Petroleum-Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing	State
88	Hawaii	Kailua-Kona	HELCO Keohole Generating Station	Low	Assessment	Hazard Undetermined	Ongoing	State
89	Hawaii	Kailua-Kona	Honokohau Industrial Park-Lower Boat Park Soil Contamination	Low	Response	Hazard Undetermined	Ongoing	State

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90	Hawaii	Kailua-Kona	Kealakehe Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
91	Hawaii	Kailua-Kona	West Hawaii Homeless Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
92	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive	State
93	Hawaii	Kamuela	Lalamilo Phase 2A Housing Development	Low	Assessment	Hazard Undetermined	Ongoing	State
94	Hawaii	Kamuela	Mid Pac Petroleum	Low	Assessment	Hazard Undetermined	Ongoing	State
95	Hawaii	Kamuela	Waimea Quarry	Low	Assessment	Hazard Undetermined	Ongoing	State
96	Hawaii	Kapaau	Kohala High and Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
97	Hawaii	Kapaau	Kohala Middle School	Low	Assessment	Hazard Undetermined	Ongoing	State
98	Hawaii	Kapaau	Niulii Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
99	Hawaii	Kau	Kau High School and Pahala Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
100	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing	State
101	Hawaii	Keaau	HELCO Panaewa Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
102	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Assessment	Hazard Undetermined	Ongoing	State
103	Hawaii	Keaau	Keaau Affordable Housing Project	Low	Response	Hazard Present	Inactive	State
104	Hawaii	Keaau	Keaau High School Expansion Project	Low	Assessment	Hazard Undetermined	Ongoing	State
105	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
106	Hawaii	Keaau	Keaau Middle School	Low	Assessment	Hazard Managed with Institutional Controls	Inactive	State
107	Hawaii	Keaau	Keaau Middle School Building Exterior Soils	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State

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108	Hawaii	Keaau	Keaau Triangle Lot	High	Response	Hazard Present	Inactive	State
109	Hawaii	Keaau	Keaau Village	Low	Assessment	Hazard	Ongoing	State
110	Hawaii	Keaau	Puna Sugar Company Stables Arsenic Mixing Site	Low	Assessment	Undetermined Hazard	Ongoing	State
111	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Undetermined	Ongoing	State
112	Hawaii	Keaau	Ulupono Street Lots 10 and 11 Keaau Hawaii	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
113	Hawaii	Kealahou	Kealahou Mechanics Yard	Low	Response	Hazard Present	Ongoing	State
114	Hawaii	Kealahou	Former Minoru Kamahara Chevron	Low	Response	Hazard Present Hazard	Ongoing	State
115	Hawaii	Lahaina	Laupahoehoe	Medium	Assessment	Undetermined	Ongoing	State
116	Hawaii	Laupahoehoe	35-2078 Hulaana Place Laupahoehoe High and Elementary School Building	Low	Assessment	Hazard Undetermined	Ongoing	State
117	Hawaii	Laupahoehoe	Exterior Soils	Low	Assessment	Hazard Present	Ongoing	Site Discovery
118	Hawaii	Laupahoehoe	Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Present Hazard Managed with Institutional Controls	Ongoing	State
119	Hawaii	Mountain View	Mountain View Elementary School Building Exterior Soils	Low	Response	Hazard Present	Ongoing	State
120	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
121	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Seed Dipping Vat	Medium	Assessment	Hazard Present	Ongoing	State
122	Hawaii	Naalehu	Kaalaiki Industrial Lot D	High	Response	Hazard Present	Ongoing	Fast Track
123	Hawaii	Naalehu	Kaalaiki Industrial Lots B-D	High	Response	Hazard Present	Ongoing	Site Discovery
124	Hawaii	Naalehu	Kau Agribusiness Hutchinson Sugar Mill Honuapo	Low	Assessment	Hazard Undetermined	Ongoing	State
125	Hawaii	Naalehu	Naalehu Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
126	Hawaii	Naalehu	Naalehu Elementary School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
127	Hawaii	Ninole	Nanue Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

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128	Hawaii	North Kohala	Hawi Well Site	Low	Assessment	Hazard Undetermined	Ongoing	State
129	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive	Brownfields
130	Hawaii	Paauhau	Paauhau Seed Dipping Plant	Low	Response	Hazard Managed with Institutional Controls	Ongoing	Site Discovery
131	Hawaii	Paauhau	Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing	Site Discovery
132	Hawaii	Paauiilo	Hamakua Sugar Company - Ookala Mill Pesticide Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
133	Hawaii	Paauiilo	Hamakua Sugar Company - Paauiilo Mill Seed Dipping Plant	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Site Discovery
134	Hawaii	Paauiilo	Hamakua Sugar Company - Paauiilo Sugar Mill and PMA	High	Assessment	Hazard Present	Ongoing	Site Discovery
135	Hawaii	Paauiilo	Hamakua Sugar Company, Inc - Asbestos Disposal Site	Low	Assessment	Hazard Present	Ongoing	State
136	Hawaii	Paauiilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive	State
137	Hawaii	Paauiilo	Paauiilo Elementary and Intermediate School	Low	Assessment	Hazard Undetermined	Ongoing	State
138	Hawaii	Pahala	Ka'u Agribusiness, Herbicide Mixing Plant (HMP)	NFA	Response	Hazard Managed with Engineering Controls	NFA	State
139	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing	State
140	Hawaii	Pahala	Pahala Nursery Oil Release	Low	Assessment	Hazard Undetermined	Ongoing	State
141	Hawaii	Pahoa	Pahoa Elementary School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
142	Hawaii	Pahoa	Pahoa High and Intermediate School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
143	Hawaii	Papaaloa	Papaaloa Elderly Housing Complex	High	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
144	Hawaii	Papaikou	27-0330 Mamalahoa Highway Collision	Low	Response	Hazard Undetermined	Ongoing	State

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145	Hawaii	Papaikou	Kalanianaʻole Elementary and Intermediate School Building Exterior Soils	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
146	Hawaii	Papaikou	Kapue Stream Bridge	Low	Response	Hazard Undetermined	Ongoing	State
147	Hawaii	Papaikou	Onomea Sugar Company - Papaikou Mill Pesticide Mixing Area	High	Response	Hazard Present	Ongoing	Site Discovery
148	Hawaii	Pepeekeo	Black Oil and Drum Site	Low	Response	Hazard Present	Ongoing	State
149	Hawaii	Pepeekeo	Diesel Fuel Storage Tank	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
150	Hawaii	Pepeekeo	Hu Honua Bioenergy Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
151	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing	State
152	Hawaii	Pepeekeo	Kulaimano Elderly Housing Project	Low	Assessment	Hazard Undetermined	Ongoing	State
153	Hawaii	Pepeekeo	Mauna Kea Sugar- Pepeekeo Mill Herbicide Mixing Area	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
154	Hawaii	Volcanoes	Former Quarry Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	State
155	Hawaii	Waipunalei	Hawai'i Volcanoes National Park, Hawai'i	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Site Discovery
156	Kauai	Anahola	Waipunalei Seed Dipping Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
157	Kauai	Barking Sands	Kealia Mauka Homesites	Low	Assessment	Hazard Undetermined	Ongoing	State
158	Kauai	Barking Sands	Grace Pacific Corporation - Barking Sands HMA Plant	Low	Assessment	Hazard Present	Ongoing	State
159	Kauai	Eleele	Kauai Test Facility	Medium	Assessment	Hazard Present	Ongoing	State
160	Kauai	Eleele	McBryde Sugar Numila Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	State
161	Kauai	Eleele	Port Allen	Low	Assessment	Hazard Undetermined	Ongoing	State
162	Kauai	Hanamaulu	Port Allen Terminal	Medium	Response	Hazard Undetermined	Ongoing	State
			Lihue Herbicide Mixing Plant					

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163	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing	State
164	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard	Ongoing	State
165	Kauai	Kapaa	Coconut Marketplace	Low	Response	Undetermined Hazard Managed with Institutional Controls	Ongoing	State
166	Kauai	Kapaa	Dry Cleaner Kapaa	Low	Assessment	Hazard	Ongoing	State
167	Kauai	Kapaa	Dry Well Cleanup	Low	Assessment	Undetermined Hazard	Ongoing	State
168	Kauai	Kapaa	Hawaiian Fruit Packers Poison Mixing Site	Low	Assessment	Undetermined Hazard	Ongoing	Site Discovery
169	Kauai	Kapaa	Samuel Mahelona Memorial Center	Low	Assessment	Undetermined Hazard	Ongoing	Brownfields
170	Kauai	Kapaa	Wailua Homestead Wells	Low	Response	Hazard Present	Ongoing	State
171	Kauai	Kaumakani	Gay and Robinson Seed Dipping Vat	Low	Assessment	Hazard	Ongoing	Site Discovery
172	Kauai	Kaumakani	Olokele Sugar Pesticide Mixing Site	Low	Assessment	Undetermined Hazard	Ongoing	State
173	Kauai	Kekaha	7723 Iwipolena Road	Medium	Response	Undetermined Hazard	Ongoing	State
174	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Undetermined Hazard Managed with Engineering Controls	Ongoing	State
175	Kauai	Kekaha	Kekaha Residential Lots, Unit 4 Subdivision	Medium	Response	Hazard Present	Ongoing	State
176	Kauai	Kekaha	Kekaha Sugar Co., Ltd.	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
177	Kauai	Kekaha	Kekaha Sugar Co., Ltd. Former Wood Treatment Plant	Medium	Response	Hazard	Ongoing	State
178	Kauai	Kekaha	Paua Valley Tank PCB Contamination	Low	Assessment	Undetermined Hazard	Ongoing	State
179	Kauai	Kekaha	Waimea and Kekaha Research Centers	Low	Assessment	Undetermined Hazard	Ongoing	State
180	Kauai	Kilauea	Hale Hoolulu-Kilauea	Low	Response	Hazard Present	Ongoing	State
181	Kauai	Kilauea	Hawaii Public Housing Authority Kilauea	Low	Assessment	Hazard	Ongoing	State

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182	Kauai	Koloa	Kauai Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
183	Kauai	Koloa	Koloa Mill Pesticide Mixing Area Post-1974	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
184	Kauai	Lihue	Aloha Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
185	Kauai	Lihue	Former Ahukini Dump	Low	Assessment	Hazard Present	Ongoing	State
186	Kauai	Lihue	Hawaii Fueling Facilities Corporation Lihue Fuel Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
187	Kauai	Lihue	Kauai Petroleum	Low	Response	Hazard Present	Ongoing	State
188	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing	State
189	Kauai	Lihue	Lihue Plantation Combined Sites	Medium	Response	Hazard Present	Ongoing	Brownfields
190	Kauai	Lihue	Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
191	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
192	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	State
193	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard	Low	Assessment	Hazard Undetermined	Inactive	State
194	Kauai	Lihue	Foundation Construction Nawiliwili Harbor Pier 3 Improvements	Low	Assessment	Hazard Present	Inactive	State
195	Kauai	Lihue	Paradise 76 Service Station	Low	Assessment	Hazard Undetermined	Ongoing	State
196	Kauai	Port Allen	Port Allen Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
197	Kauai	Port Allen	Port Allen Shed Renovation	Low	Assessment	Hazard Undetermined	Inactive	State
198	Kauai	Puhi	Grove Farm Puhi Poison Mixing Area	Medium	Response	Hazard Present	Ongoing	State
199	Kauai	Wailua	Coco Palms Sewer Pump Station	Low	Assessment	Hazard Undetermined	Inactive	State
200	Kauai	Waimea	Kauai Veterans Memorial Hospital	Low	Assessment	Hazard Undetermined	Inactive	State
201	Kauai	Waimea	Kikiaola Light Draft Harbor Improvements	Low	Assessment	Hazard Undetermined	Ongoing	State

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202	Kauai	Waimea	Meadowgold Facility Waimea Kauai	Low	Response	Hazard Present	Inactive	State
203	Kauai	Waimea	Navy MFH PMRF Barking Sands	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
204	Kauai	Waimea	Waimea Sugar Company	Low	Assessment	Hazard Present	Ongoing	Site Discovery
205	Kure	Kure Atoll	Kure Atoll	Low	Assessment	Hazard Undetermined	Ongoing	State
206	Kure	Kure Atoll	Kure Atoll, U.S. Coast Guard Dole Lanai Emulsion Plant, Drainage Ditch and Settling Pond	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
207	Lanai	Lanai City	Former Emulsion Plant - Fraser Development Site	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
208	Lanai	Lanai City	Lanai City Expansion 200 Housing Units	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
209	Lanai	Lanai City	MECO Miki Basin Generating Station	Medium	Assessment	Hazard Present	Ongoing	State
210	Lanai	Lanai City	Maui Golf Course Herbicide Mixing Stations	Low	Assessment	Hazard Managed with Institutional Controls	NFA	State
211	Maui	Haiku	41 Awalau Road	Low	Assessment	Hazard Undetermined	Ongoing	State
212	Maui	Haiku	Nahiku Rubber Company	Low	Assessment	Hazard Undetermined	Ongoing	State
213	Maui	Haiku	Pauwela Homes Project, Kauhikoa Land LLC	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
214	Maui	Haliimaile	Haliimaile Development	Low	Assessment	Hazard Undetermined	Ongoing	State
215	Maui	Hana	Kaeleku Plantation Company Mill	Low	Assessment	Hazard Undetermined	Ongoing	State
216	Maui	Honokowai	Honokowai Ahupua'a	Low	Assessment	Hazard Undetermined	Ongoing	State
217	Maui	Kahului	475 Maalo Street Buried Container	Low	Assessment	Hazard Undetermined	Ongoing	State
218	Maui	Kahului	A&B Central Power Plant Pipelines	Low	Assessment	Hazard Undetermined	Ongoing	State
219	Maui	Kahului		Medium	Assessment	Hazard Present	Ongoing	State

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220	Maui	Kahului	A&B Properties, Inc., Agricultural Deep Soil Dump Lot 6	Low	Assessment	Hazard Undetermined	Ongoing	State
221	Maui	Kahului	Aloha Petroleum Kahului Terminal	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
222	Maui	Kahului	Chevron Kahului Bulk Terminal	Low	Response	Hazard Present	Ongoing	State
223	Maui	Kahului	Fong Construction Petroleum Hydrocarbon Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
224	Maui	Kahului	Hawaiian Commercial and Sugar Airstrip Field 507	Low	Assessment	Hazard Undetermined	Ongoing	State
225	Maui	Kahului	Hobron Avenue Area	Low	Response	Hazard Present	Ongoing	State
226	Maui	Kahului	Kahului Airport - Holdroom A, B, & E	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
227	Maui	Kahului	Kahului Airport, Aircraft Rescue and Firefighting Training Pit	Low	Assessment	Hazard Undetermined	Ongoing	State
228	Maui	Kahului	Kahului Harbor Industrial District	Medium	Assessment	Hazard Present	Ongoing	State
229	Maui	Kahului	Kahului Harbor Parcel B	Medium	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
230	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street	Low	Assessment	Hazard Undetermined	Ongoing	State
231	Maui	Kahului	Maui Pineapple Company Seed Treatment Facility	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
232	Maui	Kahului	Maui Terminal	Medium	Assessment	Hazard Undetermined	Ongoing	State
233	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Ongoing	State
234	Maui	Kahului	MECO Sub-Transformer 3792	Low	Assessment	Hazard Undetermined	Ongoing	State
235	Maui	Kahului	Molasses Shipping Line Repair KT&S Pumphouse to Pier 1 Loading Site	Low	Assessment	Hazard Present	Ongoing	State
236	Maui	Kahului	Queen Kaahumanu Center Elevator Pipeline	Low	Assessment	Hazard Undetermined	Ongoing	State
237	Maui	Kahului	Sears Auto Center PCB Contamination	Low	Assessment	Hazard Undetermined	Inactive	State

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238	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing	State
239	Maui	Kihei	A&B Properties Former Agricultural Land Kihei Maui	Medium	Assessment	Hazard Undetermined	Ongoing	State
240	Maui	Kihei	Azeka Place 1 Shopping Center	Low	Assessment	Hazard Undetermined	Ongoing	State
241	Maui	Kihei	Communications Electronics Training Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
242	Maui	Kihei	Hele Kihei Azeka #61073	Low	Assessment	Hazard Undetermined	Ongoing	State
243	Maui	Kihei	Kamalani Borrow Sites	Medium	Assessment	Hazard Undetermined	Ongoing	State
244	Maui	Kihei	Kihei Boat Ramp	Low	Assessment	Hazard Undetermined	Ongoing	State
245	Maui	Kihei	Maui Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
246	Maui	Kihei	Murray Air Pesticide Operations Puunene Maui	Low	Assessment	Hazard Undetermined	Ongoing	State
247	Maui	Kula	Kamehamehenui Property	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
248	Maui	Lahaina	Former Dry Cleaner at the Westin Maui Resort & Spa	Medium	Response	Hazard Managed with Institutional Controls	NFA	State
249	Maui	Lahaina	Hyatt Regency Maui Resort and Spa	Low	Assessment	Hazard Undetermined	Ongoing	State
250	Maui	Lahaina	Kaanapali Transformer Site	Low	Response	Hazard Undetermined	Ongoing	State
251	Maui	Lahaina	Kapalua Land Company	Low	Assessment	Hazard Undetermined	Ongoing	State
252	Maui	Lahaina	Lahaina Cannery Mall Phase II Assessment	Low	Response	Hazard Undetermined	Ongoing	State
253	Maui	Lahaina	Maui Land and Pineapple Company Honolulu Pesticide Mixing Area	Medium	Response	Hazard Present Hazard	Ongoing	Site Discovery
254	Maui	Lahaina	MECO submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Ongoing	State
255	Maui	Lahaina	Olowalu Company Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

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256	Maui	Lahaina	Pioneer Mill Lahainaluna Road Transformers	Low	Assessment	Hazard Undetermined	Ongoing	State
257	Maui	Lahaina	Train Turnaround Transformer Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
258	Maui	Maalaea	Maalaea Mauka	Low	Assessment	Hazard Undetermined	Ongoing	State
259	Maui	Makawao	Grove Ranch	Low	Assessment	Hazard Undetermined	Ongoing	State
260	Maui	Makawao	Maui Land and Pineapple Company Haliimaile Pesticide Storage Area	Medium	Response	Hazard Undetermined	Ongoing	Site Discovery
261	Maui	Makawao	MECO Pad-Mount Transformer No. 3633	Low	Response	No Hazard Hazard	NFA	State
262	Maui	Paia	HC&S CADE Station Field 114	Low	Assessment	Undetermined Hazard	Ongoing	State
263	Maui	Paia	MECO Pad-Mount Transformer No. 3357	Low	Assessment	Undetermined Hazard	Ongoing	State
264	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	PA/SI
265	Maui	Pukalani	Maui Corn Mill Camp	High	Response	Hazard Present	Ongoing	State
266	Maui	Puunene	Grace Pacific Corporation - Maui Paving Camp 6 facility cleanup	Low	Assessment	Hazard Undetermined	Ongoing	State
267	Maui	Puunene	HC&S Airstrips	Low	Assessment	Hazard Undetermined	Ongoing	State
268	Maui	Puunene	HC&S Cade Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
269	Maui	Puunene	HC&S CADE Station Field 304	Low	Assessment	Hazard Undetermined	Ongoing	State
270	Maui	Puunene	HC&S CADE Station Field 506	Low	Assessment	Hazard Undetermined	Ongoing	State
271	Maui	Puunene	HC&S CADE Station Field 602	Low	Assessment	Hazard Undetermined	Ongoing	State
272	Maui	Puunene	HC&S CADE Station Field 802	Low	Assessment	Hazard Undetermined	Ongoing	State
273	Maui	Puunene	HC&S CADE Station Field 922	Low	Assessment	Hazard Undetermined	Ongoing	State
274	Maui	Puunene	HC&S CADE Station Paia Mill	Low	Assessment	Hazard Undetermined	Ongoing	State
275	Maui	Puunene	HC&S Cade Stations	Low	Assessment	Hazard Undetermined	Ongoing	State

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276	Maui	Puunene	Puunene Airport (Dragstrip & Moto-Cross)	Low	Assessment	Hazard Undetermined	Ongoing	State
277	Maui	Puunene	Puunene Airport Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
278	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing	State
279	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing	State
280	Maui	Wailuku	Waihee Elementary Playfield Project	Low	Assessment	Hazard Undetermined	Ongoing	State
281	Maui	Wailuku	Wailuku Sugar Agricultural Department Pesticide Mixing	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
282	Midway	NAF Midway	Naval Air Facility, Midway Island	Low	Assessment	Hazard Undetermined	Ongoing	State
283	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing	State
284	Molokai	Hoolehua	Grace Pacific Maui Paving Molokai Asphalt Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
285	Molokai	Ilio Point	Long Range Navigation Station Ilio Point Debris Pile Remediation	Medium	Response	No Hazard	Ongoing	State
286	Molokai	Ilio Point	Long Range Navigation Station Ilio Point Secondary Debris Pile	Low	Assessment	Hazard Undetermined	Ongoing	State
287	Molokai	Kalaupapa	Kalaupapa Settlement Historical Burn Area	Low	Response	Hazard Present	Ongoing	Site Discovery
288	Molokai	Kalaupapa	Kalaupapa Settlement Kitchen Fire Debris	Low	Response	Hazard Undetermined	Ongoing	State
289	Molokai	Kaunakakai	DLNR Water Line Installation	Medium	Response	Hazard Undetermined	Ongoing	State
290	Molokai	Kaunakakai	Galiher-Ono Property	Medium	Response	Hazard Present	Ongoing	State
291	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive	State
292	Molokai	Kaunakakai	Island Petroleum, Inc (Kaunakakai Petroleum Contaminated Area)	Low	Response	Hazard Present	Ongoing	State
293	Molokai	Kaunakakai	Kaunakakai Drainage System B	Medium	Assessment	Hazard Undetermined	Ongoing	State
294	Molokai	Kaunakakai	Kaunakakai Pier Petroleum Discovery	Low	Assessment	Hazard Undetermined	Ongoing	State
295	Molokai	Kaunakakai	Kaunakakai Wharf - DOT Harbors	Medium	Response	Hazard Undetermined	Ongoing	State

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296	Molokai	Kaunakakai	Kaunakakai Wharf Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
297	Molokai	Kaunakakai	Malama Cultural Park	Low	Assessment	Hazard Undetermined	Ongoing	State
298	Molokai	Kaunakakai	Mid Pac Petroleum Mauka Fuel Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
299	Molokai	Kaunakakai	Molokai Community Service Center	Low	Assessment	Hazard Undetermined	Ongoing	State
300	Molokai	Kaunakakai	Molokai Electric Company (MOECO) Power Plant Site	High	Response	Hazard Present	Ongoing	State
301	Molokai	Kaunakakai	Molokai Trenching At Beach and Kaunakakai	Low	Assessment	Hazard Undetermined	Ongoing	State
302	Molokai	Kaunakakai	Pua'ahala Watershed	Low	Response	No Hazard	NFA	State
303	Molokai	Kualapuu	Del Monte Corporation Kualapuu Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
304	Molokai	Maunaloa	Laau Point Mercury-Zinc Battery Clean Up	Low	Response	Hazard Undetermined	Ongoing	State
305	Molokai	Maunaloa	Libby McNeill and Libby Maunaloa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
306	Molokai	Umipaa	Maui Paving Molokai Asphalt Plant Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
307	Niihau	Keelinawi	Niihau Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
308	Oahu	Aiea	98-55 Kamehameha Highway	Low	Assessment	Hazard Undetermined	Ongoing	State
309	Oahu	Aiea	Aiea Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
310	Oahu	Aiea	Aiea Elementary School Relocated Trailers Renovation	Low	Assessment	Hazard Undetermined	Ongoing	State
311	Oahu	Aiea	Aiea Sugar Mill Affordable Housing	Low	Assessment	Hazard Undetermined	Ongoing	State
312	Oahu	Aiea	Aloha Stadium Station	Low	Assessment	Hazard Undetermined	Ongoing	State
313	Oahu	Aiea	Grace Pacific Corporation	Low	Response	Hazard Present	Ongoing	State
314	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive	State
315	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive	State

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316	Oahu	Aiea	Honolulu Plantation Company - Seed Dipping Vat	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
317	Oahu	Aiea	Honolulu Transit-Oriented Development	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
318	Oahu	Aiea	Navy MFH Halawa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
319	Oahu	Aiea	Navy MFH McGrew Point	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
320	Oahu	Aiea	Pearl Ridge Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
321	Oahu	Aiea	Scott Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
322	Oahu	Aiea	Sears Pearlridge #1578 Elevator Jack	Low	Response	Hazard Managed with Engineering Controls	Inactive	State
323	Oahu	Aiea	Sears Pearlridge #1578 Hydraulic Hoist	Low	Response	Hazard Present	Ongoing	State
324	Oahu	Aiea	Waimalu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
325	Oahu	Aiea	Webling Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
326	Oahu	Barbers Point	Barbers Point Harbor Expansion	Low	Response	Hazard Present	Ongoing	State
327	Oahu	Barbers Point	Barbers Point Harbor Lead Contaminated Soil	Low	Assessment	Hazard Undetermined	Inactive	State
328	Oahu	Barbers Point	Barbers Point Harbor Pier 6 Valve Pit	Low	Assessment	Hazard Undetermined	Ongoing	State
329	Oahu	Barbers Point	Texaco Terminal	Low	Response	Hazard Present	Ongoing	State
330	Oahu	Camp HM Smith	Marines MFH Camp Smith	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
331	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Ongoing	Brownfields
332	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
333	Oahu	Ewa Beach	Ewa Beach Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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334	Oahu	Ewa Beach	Ewa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
335	Oahu	Ewa Beach	Ewa Repair Shop/Tesoro (Fort Weaver Road)	Low	Assessment	Hazard Undetermined	Ongoing	State
336	Oahu	Ewa Beach	Iroquois Point Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
337	Oahu	Ewa Beach	Iroquois Point Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
338	Oahu	Ewa Beach	Kamila Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
339	Oahu	Ewa Beach	Pacific Concrete & Rock LDFL	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
340	Oahu	Ewa Beach	Pohakea Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
341	Oahu	Ewa Beach	Stockpile on Navy Parcel	Low	Assessment	Hazard Undetermined	Ongoing	State
342	Oahu	Fort Shafter	Army MFH FS Funston Village	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
343	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
344	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
345	Oahu	Fort Shafter	Army MFH FS Palm Circle	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
346	Oahu	Fort Shafter	Army MFH FS Radar Hill	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
347	Oahu	Fort Shafter	Army MFH FS Rice Manor	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
348	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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349	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
350	Oahu	Halawa	Grace Pacific - Hawaiian Cement Parking Lot	Low	Response	Hazard Undetermined	Ongoing	State
351	Oahu	Halawa	OCCC Halawa Development	Medium	Response	Hazard Undetermined	Ongoing	State
352	Oahu	Haleiwa	Haleiwa Chevron	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
353	Oahu	Haleiwa	Haleiwa Chevron OU-KSBE	Low	Assessment	Hazard Undetermined	Ongoing	State
354	Oahu	Haleiwa	Haleiwa Commercial Redevelopment	Low	Response	Hazard Present	Ongoing	State
355	Oahu	Haleiwa	Haleiwa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
356	Oahu	Haleiwa	Haleiwa Store Lots	Low	Assessment	Hazard Undetermined	Ongoing	State
357	Oahu	Haleiwa	Sunset Beach Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
358	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Present	Ongoing	State
359	Oahu	Hauula	Hauula Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
360	Oahu	Hawaii Kai	Hawaii Kai Memorial Park	Low	Assessment	Hazard Undetermined	Ongoing	State
361	Oahu	Helemano MR	Army MFH HMR Kalapana	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
362	Oahu	Helemano MR	Army MFH HMR Kekona	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
363	Oahu	Helemano MR	Army MFH HMR Kuapale	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
364	Oahu	Hickam AFB	Air Force MFH HAFB CGO-FGO Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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365	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
366	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
367	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
368	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
369	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-4	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
370	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
371	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
372	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
373	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
374	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
375	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
376	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
377	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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378	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
379	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
380	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
381	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
382	Oahu	Hickam AFB	Air Force MFH HAFB GO-SO Historic Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
383	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Minor Renovations	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
384	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
385	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
386	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
387	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
388	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
389	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
390	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020								
	<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>
391	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
392	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
393	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
394	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
395	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
396	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-2	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
397	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-3	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
398	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
399	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
400	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
401	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
402	Oahu	Hickam AFB	Hickam AFB Drilling for Solar Parking Structures	Low	Assessment	Hazard Undetermined	Ongoing	State
403	Oahu	Hickam AFB	Hickam AFB HIANG F22 Parking Apron	Low	Response	Hazard Present	Ongoing	State
404	Oahu	Hickam Air Force Base	Hickam AFB HIANG	Low	Assessment	Hazard Undetermined	Ongoing	State

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405	Oahu	Honolulu	1240 Mookaula Street	Low	Response	Hazard Managed with Institutional Controls	NFA	State
406	Oahu	Honolulu	1385 Colburn Street	Low	Assessment	Hazard Undetermined	Ongoing	State
407	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
408	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
409	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Hazard Undetermined	Ongoing	State
410	Oahu	Honolulu	1812 Colburn Street Site	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
411	Oahu	Honolulu	1911 Keeaumoku Street	Low	Assessment	Hazard Undetermined	Ongoing	State
412	Oahu	Honolulu	2051-2057 Kalakaua Avenue	Low	Assessment	Hazard Undetermined	Ongoing	State
413	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing	State
414	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing	State
415	Oahu	Honolulu	2250 Pahounui Drive	Medium	Assessment	Hazard Present	Ongoing	State
416	Oahu	Honolulu	2939 and 2949 Koapaka Street UST	Low	Assessment	Hazard Undetermined	Ongoing	State
417	Oahu	Honolulu	2958 Ualena Street	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
418	Oahu	Honolulu	333 & 351 N King Street	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
419	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing	State
420	Oahu	Honolulu	393 North King Street	Low	Assessment	Hazard Undetermined	Ongoing	State
421	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
422	Oahu	Honolulu	458 Keawe Street	Low	Assessment	Hazard Undetermined	Ongoing	State
423	Oahu	Honolulu	524 Kaaahi Street	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State

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424	Oahu	Honolulu	580 North Nimitz	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
425	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Present	Ongoing	State
426	Oahu	Honolulu	604 Ala Moana Boulevard/The Collections	Medium	Response	Hazard Managed with Institutional Controls	Inactive	State
427	Oahu	Honolulu	609 Waiakamilo Road UST	Low	Assessment	Hazard Undetermined	Ongoing	State
428	Oahu	Honolulu	630 Cooke Street	Low	Response	Hazard Managed with Institutional Controls	NFA	State
429	Oahu	Honolulu	653 Kakoi Street	Low	Assessment	Hazard Undetermined	Ongoing	State
430	Oahu	Honolulu	700 N Nimitz IDPP Release	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
431	Oahu	Honolulu	710 North King Street	Low	Assessment	Hazard Undetermined	Ongoing	State
432	Oahu	Honolulu	755 North Nimitz Highway	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
433	Oahu	Honolulu	760 Halekauwila Street	Medium	Assessment	Hazard Present	Ongoing	State
434	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
435	Oahu	Honolulu	801 South Hotel Street	Medium	Assessment	Hazard Undetermined	Ongoing	State
436	Oahu	Honolulu	815 Kawaiahao Street	Low	Assessment	Hazard Managed with Institutional Controls	NFA	State
437	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Hazard Undetermined	Ongoing	State
438	Oahu	Honolulu	868 Queen Street, 819, 835 and 841 Kawaihoo Street	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
439	Oahu	Honolulu	902 Alder Street	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State

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440	Oahu	Honolulu	916 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
441	Oahu	Honolulu	922 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
442	Oahu	Honolulu	938 Kohou Street	Low	Response	Hazard Present	Ongoing	State
443	Oahu	Honolulu	Aina Haina Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
444	Oahu	Honolulu	Aina Haina Public Library Dieldrin Discovery	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
445	Oahu	Honolulu	Ala Moana Plaza	Low	Assessment	Hazard Undetermined	Ongoing	State
446	Oahu	Honolulu	Ala Wai Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
447	Oahu	Honolulu	Aliamanu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
448	Oahu	Honolulu	Aliiolani Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
449	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
450	Oahu	Honolulu	Aloha Air Cargo	Low	Assessment	Hazard Undetermined	Ongoing	State
451	Oahu	Honolulu	Aloha Petroleum Honolulu Terminal	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
452	Oahu	Honolulu	Aloha Service Station Number 1091	Low	Assessment	Hazard Undetermined	Ongoing	State
453	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Hazard Present	Ongoing	State
454	Oahu	Honolulu	Ameron Hawaii Sand Island Facility	Medium	Response	Hazard Undetermined	Ongoing	State
455	Oahu	Honolulu	Anuenue Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
456	Oahu	Honolulu	ARFF Station No. 2	Low	Assessment	Hazard Undetermined	Ongoing	State
457	Oahu	Honolulu	Army MFH AMR Bougainville	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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458	Oahu	Honolulu	Army MFH AMR Hibiscus	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
459	Oahu	Honolulu	Army MFH AMR Makai View	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
460	Oahu	Honolulu	Army MFH AMR Plumeria	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
461	Oahu	Honolulu	Army MFH AMR Rim Loop	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
462	Oahu	Honolulu	Army MFH AMR Skyview	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
463	Oahu	Honolulu	Army MFH AMR Valley View	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
464	Oahu	Honolulu	Army MFH Army Hawaii Family Housing ADMIN FILE	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
465	Oahu	Honolulu	ARTSPACE	High	Response	Hazard Managed with Institutional Controls	NFA	Brownfields
466	Oahu	Honolulu	ASIG Sand Island	Medium	Assessment	Hazard Undetermined	Ongoing	State
467	Oahu	Honolulu	Awa Street Wastewater Pump Station and Force Main Improvements	Low	Assessment	Hazard Undetermined	Ongoing	State
468	Oahu	Honolulu	Beretania Pumping Station	Low	Assessment	Hazard Undetermined	Ongoing	State
469	Oahu	Honolulu	BHP Gas Express (Station # 11)	Low	Assessment	Hazard Undetermined	Ongoing	State
470	Oahu	Honolulu	Gasoline Product Underground Brewer Environmental Industries- Pacific Street	Low	Assessment	Hazard Present	Ongoing	State
471	Oahu	Honolulu	BWS Pump House N King Street	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State

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472	Oahu	Honolulu	Chevron Bulk Fuel Loading Rack Driveway	Low	Assessment	Hazard Undetermined	Ongoing	State
473	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
474	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing	State
475	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing	State
476	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing	State
477	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
478	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
479	Oahu	Honolulu	Citizens Energy Services Pier 38	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
480	Oahu	Honolulu	Civic Center Station	Low	Assessment	Hazard Undetermined	Ongoing	State
481	Oahu	Honolulu	Classic Bowl	Medium	Assessment	Hazard Present	Ongoing	State
482	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
483	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
484	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed with Institutional Controls	Inactive	State
485	Oahu	Honolulu	Dole Cannery	Medium	Response	Hazard Present	Ongoing	State
486	Oahu	Honolulu	Dole Cannery Complex	Low	Assessment	Hazard Undetermined	Ongoing	State
487	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State

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488	Oahu	Honolulu	DOT-A Parcel at Honolulu Harbor (34-A Lot)	Medium	Assessment	Hazard Undetermined	Inactive	State
489	Oahu	HONOLULU	DR. SUN YAT-SEN MEMORIAL PARK	Low	Assessment	Hazard Undetermined	Ongoing	State
490	Oahu	Honolulu	Electric Distribution Modernization Phase I	Low	Assessment	Hazard Undetermined	Ongoing	State
491	Oahu	Honolulu	Factory Street Lead	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
492	Oahu	Honolulu	Farrington High School Firing Range	High	Assessment	Hazard Undetermined	Ongoing	State
493	Oahu	Honolulu	Fern Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
494	Oahu	Honolulu	Former ARCO Hawaii Kai Station	Low	Response	Hazard Present	Ongoing	State
495	Oahu	Honolulu	Former General Printing Company	Medium	Assessment	Hazard Undetermined	Ongoing	State
496	Oahu	Honolulu	Former Nuuanu Auto Company	Low	Assessment	Hazard Undetermined	Ongoing	State
497	Oahu	Honolulu	Fred L. Waldron Feed Mill	Low	Assessment	Hazard Undetermined	Ongoing	State
498	Oahu	Honolulu	Goodwill Beretania Street	Low	Assessment	Hazard Undetermined	Ongoing	State
499	Oahu	Honolulu	Hahaione Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
500	Oahu	Honolulu	Hale Pua Nui UST Removal	Low	Response	Hazard Present	Ongoing	State
501	Oahu	Honolulu	HART Halekauwila Street between Keawe Street and Coral Street	Low	Assessment	Hazard Undetermined	Ongoing	State
502	Oahu	Honolulu	HART Iwilei Station	Low	Assessment	Hazard Undetermined	Ongoing	State
503	Oahu	Honolulu	HART Lagoon Station	Low	Assessment	Hazard Undetermined	Ongoing	State
504	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport	Low	Response	Hazard Present	Ongoing	State
505	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Ongoing	State
506	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release	Low	Response	Hazard Present	Ongoing	State

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507	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing	State
508	Oahu	Honolulu	Hawaii Hocht	Low	Assessment	Hazard Undetermined	Ongoing	State
509	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Response	Hazard Managed with Engineering Controls	Inactive	State
510	Oahu	Honolulu	Hawaii Law Enforcement Federal Credit Union	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
511	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Low	Response	Hazard Managed with Engineering Controls	Ongoing	State
512	Oahu	Honolulu	Hawaii School for the Deaf and Blind (HSDB) Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
513	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing	State
514	Oahu	Honolulu	Hawaii Transfer Company, Ltd. Pier 36	Low	Response	Hazard Present	Ongoing	State
515	Oahu	Honolulu	Hawaiian Electric Company (HECO) Parking Lot and Alley	Medium	Assessment	Hazard Undetermined	Ongoing	State
516	Oahu	Honolulu	Hawaiian Electric Company (HECO)-Honolulu Generating Station	Low	Assessment	Hazard Present	Inactive	State Response Program
517	Oahu	Honolulu	Hawaiian Flour Mill	Low	Response	Hazard Present	Ongoing	State
518	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Present	Ongoing	State
519	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive	State
520	Oahu	Honolulu	Hawaii Kai Marina Maintenance Dredging	Low	Assessment	Hazard Undetermined	Ongoing	State
521	Oahu	Honolulu	HECO Fuel Oil Pipeline Route State Energy Corridor	Low	Assessment	Hazard Undetermined	Ongoing	State
522	Oahu	Honolulu	HECO Honolulu Power Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
523	Oahu	Honolulu	HECO Iwilei Tank Yard	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State

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524	Oahu	Honolulu	HECO Pad-Mount Transformer No. 27266	Low	Response	No Hazard	NFA	State
525	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
526	Oahu	Honolulu	Helemano Wilderness Area Firing Ranges	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
527	Oahu	Honolulu	HFFC Sand Island Kapalama Terminal Jet Fuel Pipeline	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
528	Oahu	Honolulu	Hickam Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
529	Oahu	Honolulu	Hokulani Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
530	Oahu	Honolulu	Honolulu Airport Commuter Terminal Jet Fuel Release	Low	Assessment	Hazard Undetermined	Ongoing	State
531	Oahu	Honolulu	Honolulu Airport Diamondhead Site Improvements	Low	Assessment	Hazard Undetermined	Ongoing	State
532	Oahu	Honolulu	Honolulu Airport Former Commuter Terminal	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
533	Oahu	Honolulu	Honolulu Airport Interim Car Rental Facility	Low	Response	Hazard Managed with Institutional Controls	Inactive	State
534	Oahu	Honolulu	Honolulu Community College Kokea Street Parking Lot	Low	Response	Hazard Undetermined	Ongoing	State
535	Oahu	Honolulu	Honolulu Harbor	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
536	Oahu	Honolulu	Honolulu Harbor Iwilei District Operating Parties	Medium	Assessment	Hazard Present	Inactive	State
537	Oahu	Honolulu	Honolulu Harbor Iwilei District Participating Parties	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
538	Oahu	Honolulu	Honolulu Harbor Iwilei District Participating Parties	Low	Assessment	Hazard Undetermined	Ongoing	State
539	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1A	High	Response	Hazard Managed with Engineering Controls	Ongoing	State

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540	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1B	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
541	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU2	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
542	Oahu	Honolulu	Honolulu Harbor Kapalama Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
543	Oahu	Honolulu	Honolulu Harbor Sand Island Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
544	Oahu	Honolulu	Honolulu High-Capacity Transit Corridor Project	Low	Assessment	Hazard Present	Ongoing	State
545	Oahu	Honolulu	Honolulu International Airport Air Conditioning Modification, Phase I	Low	Assessment	Hazard Undetermined	Ongoing	State
546	Oahu	Honolulu	Honolulu International Airport Consolidated Car Rental (CONRAC) Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
547	Oahu	Honolulu	Honolulu International Airport Elliot Street Parking Lot	Low	Assessment	Hazard Undetermined	Ongoing	State
548	Oahu	Honolulu	Honolulu International Airport Interisland Maintenance Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
549	Oahu	Honolulu	Honolulu International Airport Project AO1121-24 PH 1-A	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
550	Oahu	Honolulu	Honolulu International Airport Runway 8L	Low	Assessment	Hazard Undetermined	Ongoing	State
551	Oahu	Honolulu	Honolulu International Airport Solvent Plume - Lot J/Parking Structure Area	Medium	Assessment	Hazard Undetermined	Ongoing	State
552	Oahu	Honolulu	Honolulu International Airport TCE Plume	Low	Response	Hazard Undetermined	Ongoing	State
553	Oahu	Honolulu	Honolulu International Airport, Hawaiian Airlines Maintenance Facility	Medium	Assessment	Hazard Undetermined	Ongoing	State
554	Oahu	Honolulu	Honolulu Limited	Medium	Response	Hazard Present	Ongoing	State
555	Oahu	Honolulu	Honolulu Marine	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State

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556	Oahu	Honolulu	Honolulu Marine Small Boat Shipyard at Keehi Lagoon	Low	Assessment	Hazard Present	Ongoing	State
557	Oahu	Honolulu	Honolulu Marine Water Trench - Trench B	Low	Assessment	Hazard	Ongoing	State
558	Oahu	Honolulu	Honolulu Marine Water Trench 12-02	Low	Assessment	Hazard	Ongoing	State
559	Oahu	Honolulu	Honolulu Paint Factory	Low	Assessment	Undetermined	Ongoing	Site Discovery
560	Oahu	Honolulu	Honolulu Rail Transit Project - Airport Segment Guideway and Station	Low	Assessment	Hazard	Ongoing	State
561	Oahu	Honolulu	Honolulu Rail Transit Project - City Center Segment	Low	Assessment	Undetermined	Ongoing	State
562	Oahu	Honolulu	Honolulu Seawater Air Conditioning Project	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
563	Oahu	Honolulu	Honolulu Shipyard, Inc.	Low	Response	Hazard	Inactive	State
564	Oahu	Honolulu	Honolulu Wood Treating Co, Ltd	Medium	Assessment	Undetermined	Ongoing	Site Discovery
565	Oahu	Honolulu	House Foods, Hawaii (Foremost)	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
566	Oahu	Honolulu	HPD & HFD Rotor Wing Facility	Medium	Assessment	No Hazard	NFA	State
567	Oahu	Honolulu	Innovation Block at Lot C	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
568	Oahu	Honolulu	Interisland Maintenance Facility	Low	Response	Hazard	Ongoing	State
569	Oahu	Honolulu	Site Elliot Street	Low	Response	Undetermined	Ongoing	State
570	Oahu	Honolulu	International Terminal Building and Hardstand Projects	Low	Response	Hazard	Ongoing	State
571	Oahu	Honolulu	Iolani School Campus Expansion	NFA	Response	Undetermined	Ongoing	State
572	Oahu	Honolulu	Island Energy Honolulu Marine Terminal	Medium	Response	No Hazard	NFA	State
573	Oahu	Honolulu	Island Movers, Inc.	Low	Assessment	Hazard Managed with Engineering Controls	Ongoing	State
	Oahu	Honolulu	Island Recycling Fire	Low	Assessment	Hazard	Inactive	State
	Oahu	Honolulu		Low	Assessment	Undetermined	Ongoing	State

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574	Oahu	Honolulu	Iwilei Center VRP Site 34	Low	Assessment	Hazard Undetermined	Ongoing	VRP
575	Oahu	Honolulu	Iwilei Fruits and Produce	Low	Response	Hazard Undetermined	Ongoing	State
576	Oahu	Honolulu	Iwilei Project Site	Low	Response	Hazard Present	Ongoing	Brownfields
577	Oahu	Honolulu	Jefferson Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
578	Oahu	Honolulu	JN Chevrolet UST Closure	Low	Assessment	Hazard Undetermined	Ongoing	State
579	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Low	Assessment	Hazard Present	Ongoing	State
580	Oahu	Honolulu	Kaahumanu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
581	Oahu	Honolulu	Kaewai Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
582	Oahu	Honolulu	Kahala Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
583	Oahu	Honolulu	Kaiulani Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
584	Oahu	Honolulu	Kakaako Block C	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
585	Oahu	Honolulu	Kakaako Brownfield Project-Unit 1	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields
586	Oahu	Honolulu	Kakaako Brownfield Project-Unit 10	Low	Assessment	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
587	Oahu	Honolulu	Kakaako Brownfield Project-Unit 2	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
588	Oahu	Honolulu	Kakaako Brownfield Project-Unit 3	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
589	Oahu	Honolulu	Kakaako Brownfield Project-Unit 4	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields

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590						Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
591	Oahu	Honolulu	Kakaako Brownfield Project-Unit 5	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
592	Oahu	Honolulu	Kakaako Brownfield Project-Unit 6	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
593	Oahu	Honolulu	Kakaako Brownfield Project-Unit 7	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields Site
594	Oahu	Honolulu	Kakaako Brownfield Project-Unit 8	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	Brownfields
595	Oahu	Honolulu	Kakaako Brownfield Project-Unit 9	Medium	Response	Hazard	Ongoing	Brownfields Site
596	Oahu	Honolulu	Kakaako Improvement District 3	Medium	Assessment	Undetermined Hazard	Ongoing	Brownfields
597	Oahu	Honolulu	Kakaako Improvement District 4	Low	Assessment	Undetermined Hazard	Ongoing	Brownfields
598	Oahu	Honolulu	Kakaako Improvement District 7	Low	Assessment	Undetermined Hazard	Ongoing	Brownfields
599	Oahu	Honolulu	Kakaako Maintenance Shed	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
600	Oahu	Honolulu	Kakaako Makai	Low	Assessment	Undetermined Hazard	Ongoing	State
601	Oahu	Honolulu	Kakaako Makai Brownfields/HCDA	High	Response	Hazard Managed with Institutional Controls	Ongoing	Brownfields
602	Oahu	Honolulu	Kakaako Makai District John Dominis	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
603	Oahu	Honolulu	Kakaako Makai District Parking Garage-Unit 1and 3	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
	Oahu	Honolulu	Kakaako Makai District Units 2 and 4	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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604	Oahu	Honolulu	Kakaako Makai District Units 6 and 7	High	Response	Hazard Present	Ongoing	Brownfields
605	Oahu	Honolulu	Kakaako Mauka	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
606	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing	State
607	Oahu	Honolulu	Kalihi Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
608	Oahu	Honolulu	Kalihi Kai Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
609	Oahu	Honolulu	Kalihi Station	Low	Assessment	Hazard Undetermined	Ongoing	State
610	Oahu	Honolulu	Kalihi Uka Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
611	Oahu	Honolulu	Kalihi Waena Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
612	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing	State
613	Oahu	HONOLULU	Kamiloiki Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
614	Oahu	Honolulu	Kapalama Container Yard Project	High	Response	Hazard Managed with Institutional Controls	Ongoing	State
615	Oahu	Honolulu	Kapalama Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
616	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
617	Oahu	Honolulu	Kapiolani Village Apartments	Low	Assessment	Hazard Undetermined	NFA	State
618	Oahu	Honolulu	Kauluwela Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
619	Oahu	Honolulu	Keehi Industrial Lots Improvements (KIPA), Honolulu Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State
620	Oahu	Honolulu	Koko Head Abandoned Transformer	Low	Assessment	Hazard Undetermined	Ongoing	State
621	Oahu	Honolulu	Koko Head Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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622	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
623	Oahu	Honolulu	Kuakini Medical Center	Low	Assessment	Hazard Undetermined	Ongoing	State
624	Oahu	Honolulu	Kuhio Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
625	Oahu	Honolulu	Kuhio Park Terrace, Units D1 and D2	Low	Response	Hazard Managed with Institutional Controls	Ongoing	Brownfields
626	Oahu	Honolulu	Lagoon Chevron	Low	Assessment	Hazard Undetermined	Ongoing	State
627	Oahu	Honolulu	Lanakila Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
628	Oahu	Honolulu	Leahi Hospital Underground Storage Removal Project	Low	Assessment	Hazard Undetermined	Ongoing	State
629	Oahu	Honolulu	Liholiho Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
630	Oahu	Honolulu	Likelike Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
631	Oahu	Honolulu	Likelike Elementary School Custodian Cottage	Low	Assessment	Hazard Undetermined	Ongoing	State
632	Oahu	Honolulu	Linapuni Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
633	Oahu	Honolulu	Lincoln Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
634	Oahu	Honolulu	Lockheed Air Terminal, Inc.	Medium	Response	Hazard Present	Inactive	Site Discovery
635	Oahu	Honolulu	Lunalilo Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
636	Oahu	Honolulu	Maemae Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
637	Oahu	Honolulu	Makalapa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
638	Oahu	Honolulu	Manoa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
639	Oahu	Honolulu	Manuwai Drainage Canal	Low	Assessment	Hazard Undetermined	Ongoing	State
640	Oahu	Honolulu	Marconi Wireless Station Koko Head	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

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641	Oahu	Honolulu	Mayor Wright Homes Redevelopment Project	Low	Assessment	Hazard Undetermined	Ongoing	State
642	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd.	Low	Assessment	Hazard Undetermined	Inactive	State
643	Oahu	Honolulu	Miyazaki Service Station	Low	Assessment	Hazard Undetermined	Inactive	State
644	Oahu	Honolulu	Moanalua Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
645	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing	State
646	Oahu	Honolulu	Mokulele Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
647	Oahu	Honolulu	Navy MFH Camp Stover	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
648	Oahu	Honolulu	Navy MFH Catlin Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
649	Oahu	Honolulu	Navy MFH Doris Miller Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
650	Oahu	Honolulu	Navy MFH Hale Alii	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
651	Oahu	Honolulu	Navy MFH Hale Moku	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
652	Oahu	Honolulu	Navy MFH Halsey Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
653	Oahu	Honolulu	Navy MFH Hokulani	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
654	Oahu	Honolulu	Navy MFH Hospital Point	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
655	Oahu	Honolulu	Navy MFH Little Makalapa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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656						Hazard Managed with Engineering Controls	Ongoing	State
657	Oahu	Honolulu	Navy MFH Makalapa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
658	Oahu	Honolulu	Navy MFH Maloelap	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
659	Oahu	Honolulu	Navy MFH Marine Barracks	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
660	Oahu	Honolulu	Navy MFH Moanalua Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
661	Oahu	Honolulu	Navy MFH Ohana Military Communities ADMIN FILE	Medium	Response	Hazard Present	Ongoing	State
662	Oahu	Honolulu	Navy MFH Radford Terrace	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
663	Oahu	Honolulu	Navy MFH Red Hill Terrace	Medium	Response	Hazard	Ongoing	State
664	Oahu	Honolulu	Nimitz Elementary School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
665	Oahu	Honolulu	Nimitz Highway Relief Sewer Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing	State
666	Oahu	Honolulu	NOAA Daniel K. Inouye Regional Center	Low	Assessment	Undetermined	Ongoing	State
667	Oahu	Honolulu	Noelani Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
668	Oahu	Honolulu	Nuuanu Auto Company LTD	Low	Assessment	Undetermined	Ongoing	State
669	Oahu	Honolulu	Nuuanu Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
670	Oahu	Honolulu	Ohana Military Communities	Low	Assessment	Undetermined	Ongoing	State
671	Oahu	Honolulu	Paiea Redevelopment Property	Low	Assessment	Hazard	Ongoing	State
						Undetermined	Ongoing	State

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672						Hazard Managed with Institutional		
	Oahu	Honolulu	Pali Highway Lead Contamination	Low	Response	Controls	Ongoing	State
673	Oahu	Honolulu	Palolo Elementary School Building			Hazard		
	Oahu	Honolulu	Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
674	Oahu	Honolulu	Parking Lot C and J Transformer			Hazard		
	Oahu	Honolulu	Replacement	Low	Response	Undetermined	Ongoing	State
675	Oahu	Honolulu	Pauoa Elementary School Building			Hazard		
	Oahu	Honolulu	Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
676	Oahu	Honolulu	Pearl Harbor Elementary School			Hazard		
	Oahu	Honolulu	Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
677	Oahu	Honolulu	Pearl Harbor Kai Elementary			Hazard		
	Oahu	Honolulu	School Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
678	Oahu	Honolulu				Hazard		
	Oahu	Honolulu	Pier 12 and Pier 15 Improvements	Medium	Assessment	Undetermined	Ongoing	State
679	Oahu	Honolulu	Pier 20 Dredge Project, Honolulu			Hazard		
	Oahu	Honolulu	Harbor	Low	Assessment	Undetermined	Ongoing	State
680	Oahu	Honolulu				Hazard		
	Oahu	Honolulu	Polynesian Hospitality	Low	Response	Undetermined	Inactive	State
681	Oahu	Honolulu	Pukoloa Wood Treating Site					
	Oahu	Honolulu	(formerly Servco Pacific Inc.)	Medium	Response	Hazard Present	Ongoing	State
682	Oahu	Honolulu	Punahou School Grades 2-5					
	Oahu	Honolulu	Project	Medium	Response	Hazard Present	Ongoing	State
683						Hazard Managed with Institutional		
	Oahu	Honolulu	Punahou School Winne Units C and D	Medium	Response	Controls	Ongoing	State
684	Oahu	Honolulu	Puuhale Elementary School			Hazard		
	Oahu	Honolulu	Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
685	Oahu	Honolulu				Hazard		
	Oahu	Honolulu	Queens Medical Center	Low	Assessment	Undetermined	Ongoing	State
686	Oahu	Honolulu	Radford High School Field &			Hazard		
	Oahu	Honolulu	Athletic Complex	Medium	Response	Undetermined	Ongoing	State
687	Oahu	Honolulu	Red Hill Elementary School			Hazard		
	Oahu	Honolulu	Building Exterior Soils	Low	Assessment	Undetermined	Ongoing	State
688	Oahu	Honolulu				Hazard		
	Oahu	Honolulu	Reef Runway	Low	Assessment	Undetermined	Ongoing	State
689	Oahu	Honolulu	Ritz Carlton Waikiki Residence &					
	Oahu	Honolulu	Resort	Medium	Response	Hazard Present	Ongoing	State

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690	Oahu	Honolulu	Roosevelt High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
691	Oahu	Honolulu	Royal Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
692	Oahu	Honolulu	Salt Lake Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
693	Oahu	Honolulu	Sand Island Access Road Area-wide Petroleum Release	Medium	Assessment	Hazard Undetermined	Ongoing	State
694	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing	State
695	Oahu	Honolulu	Servco Pacific, Inc. Kalihi Shafter Elementary School Building Exterior Soils	Low	Assessment	Hazard Hazard Managed with Institutional Controls	Ongoing	State
696	Oahu	Honolulu	Shell Station Demolition Site - Lagoon Drive and Ualena Street	Low	Assessment	Hazard Hazard Managed with Institutional Controls	Ongoing	State
697	Oahu	Honolulu	Shidler College of Business Site Improvements	Low	Assessment	Hazard Undetermined	Inactive	State
698	Oahu	Honolulu	Sky Ala Moana	Low	Assessment	Hazard Hazard Managed with Institutional Controls	Ongoing	State
699	Oahu	Honolulu	Superblock Project	Low	Assessment	Hazard Undetermined	Inactive	State
700	Oahu	Honolulu	Tajiri Lumber	Low	Assessment	Hazard Undetermined	Ongoing	State
701	Oahu	Honolulu	Tesoro Hawaii Corporation, Terminal Department-Sand Island	Medium	Response	Hazard Present	Ongoing	State
702	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Ongoing	State
703	Oahu	Honolulu	Ualena Street Phase I Parcels	Low	Assessment	Hazard Undetermined	Ongoing	State
704	Oahu	Honolulu	UH Manoa Henke Hall	Low	Response	Hazard Present	Ongoing	State
705	Oahu	Honolulu	University Laboratory School Buildings 1 and 2	Low	Response	Hazard Hazard Managed with Engineering Controls	Ongoing	State
706	Oahu	Honolulu	University of Hawaii - Bilger Addition Compressor Room	Low	Assessment	Hazard Undetermined	Ongoing	State
707	Oahu	Honolulu						

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708	Oahu	Honolulu	University of Hawaii Interchange	Low	Assessment	Hazard Undetermined	Ongoing	State
709	Oahu	Honolulu	University of Hawaii Kennedy Theatre Orchestra Platform	Low	Assessment	Hazard Undetermined	Ongoing	State
710	Oahu	Honolulu	University of Hawaii Marine Center Relocation Area Piers 34 and 35	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
711	Oahu	Honolulu	Verizon Wireless, HON Point Panic Cell Site	Low	Assessment	Hazard Undetermined	Ongoing	State
712	Oahu	Honolulu	Vermiculite of Hawaii Mokumoa Street	Medium	Assessment	Hazard Undetermined	Ongoing	State
713	Oahu	Honolulu	Waialae Elementary Public Charter School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
714	Oahu	Honolulu	Waikiki Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
715	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive	State
716	Oahu	Honolulu	Wallys Garden Center	Low	Assessment	Hazard Present	Inactive	State
717	Oahu	Honolulu	Ward Center Parking Lot	Medium	Response	Hazard Present	Ongoing	State
718	Oahu	Honolulu	Ward Village Gateway Demolition and Parking Project	Low	Assessment	Hazard Undetermined	Ongoing	State
719	Oahu	Honolulu	Weyerhaeuser Wilson Elementary School Building Exterior Soils	High	Response	Hazard Managed with Engineering Controls	Inactive	State
720	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Assessment	Hazard Undetermined	Ongoing	State
721	Oahu	Honolulu	Yee Hop Property	Low	Response	Hazard Present	Ongoing	State
722	Oahu	Honolulu	Young Brothers, Ltd. Piers 24-28	Medium	Assessment	Hazard Undetermined	Ongoing	State
723	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Response	Hazard Present	Ongoing	State
724	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	Low	Assessment	Hazard Undetermined	Ongoing	State
725	Oahu	Honolulu		Low	Response	Hazard Managed with Engineering Controls	Ongoing	State

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726	Oahu	Kaaawa	Kaaawa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
727	Oahu	Kahuku	FAA Kahuku Point Former Range Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
728	Oahu	Kahuku	Kahuku Airfield Military Reservation Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
729	Oahu	Kahuku	Kahuku Arsenic Property	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
730	Oahu	Kahuku	Kahuku Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
731	Oahu	Kahuku	Kahuku Medical Center UST	Low	Assessment	Hazard Undetermined	Ongoing	State
732	Oahu	Kahuku	Makani Uwila Wind Farm Turbine Oil Leaks	NFA	Assessment	No Hazard	NFA	State
733	Oahu	Kahuku	Marconi Wireless Radio Transmitting Site	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
734	Oahu	Kailua	76 Service Station Hydraulic Hoist	Low	Assessment	Hazard Undetermined	Ongoing	State
735	Oahu	Kailua	Aikahi Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
736	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing	State
737	Oahu	Kailua	Countryside Apartments	High	Response	Hazard Present	Ongoing	Fast Track
738	Oahu	Kailua	Enchanted Lake Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
739	Oahu	Kailua	Exempt Underground Storage Tank at Hookipa Cottage	Low	Assessment	Hazard Present	Ongoing	State
740	Oahu	Kailua	Honolulu Skeet Club	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	State
741	Oahu	Kailua	Kaelepulu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
742	Oahu	Kailua	Kailua Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
743	Oahu	Kailua	Kainalu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
744	Oahu	Kailua	Kapaa Landfill Kapaa Quarry Road	Low	Response	Hazard Undetermined	Ongoing	State
745	Oahu	Kailua	Keolu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020								
	<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>
746	Oahu	Kailua	Lanikai Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
747	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
748	Oahu	Kailua	Maunawili Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
749	Oahu	Kailua	Mokapu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
750	Oahu	Kakaako	Kakaako Transpacific Broadband Conduit	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
751	Oahu	Kalaeloa	HIARNG Kalaeloa Army Aviation Support Facility #1-JRF	Low	Assessment	Hazard Undetermined	Ongoing	State
752	Oahu	Kalaeloa	Par Kalaeloa Harbor Pier 5 Pipeline Release	Low	Assessment	Hazard Undetermined	Ongoing	State
753	Oahu	Kaneohe	Ahuimanu Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
754	Oahu	Kaneohe	Caesar's Cleaners Heeia Elementary School Building	Medium	Response	Hazard Controls	Inactive	State
755	Oahu	Kaneohe	Exterior Soils Kahaluu Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
756	Oahu	Kaneohe	Building Exterior Soils Kaneohe Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
757	Oahu	Kaneohe	Building Exterior Soils Kapunahala Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
758	Oahu	Kaneohe	Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
759	Oahu	Kaneohe	Koolau Chevron Parker Elementary School Building	Low	Response	Hazard Controls	Ongoing	State
760	Oahu	Kaneohe	Exterior Soils Puohala Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
761	Oahu	Kaneohe	Building Exterior Soils Waiahole Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
762	Oahu	Kaneohe	Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
763	Oahu	Kaneohe MCBH	Marines MFH MCBH Hana Like	Medium	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>
764	Oahu	Kaneohe MCBH	Marines MFH MCBH Hawaii Loa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
765	Oahu	Kaneohe MCBH	Marines MFH MCBH Heleloa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
766	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaluapuni	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
767	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaneohe ADMIN FILE	High	Response	Hazard Managed with Engineering Controls	Ongoing	State
768	Oahu	Kaneohe MCBH	Marines MFH MCBH Kapoho	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
769	Oahu	Kaneohe MCBH	Marines MFH MCBH Mololani	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
770	Oahu	Kaneohe MCBH	Marines MFH MCBH Nani Ulupau	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
771	Oahu	Kaneohe MCBH	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
772	Oahu	Kaneohe MCBH	Marines MFH MCBH Ulupau	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
773	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Manning	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
774	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Mokapu Court	Medium	Assessment	Hazard Undetermined	Ongoing	State
775	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu NCO Row	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
776	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Rainbow	Medium	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>
777	Oahu	Kapolei	Barbers Point Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
778	Oahu	Kapolei	Barbers Point Harbor	Medium	Assessment	Hazard Undetermined	Inactive	State
779	Oahu	Kapolei	Building 128 and Building 484, Bougainville Ave	Low	Assessment	Hazard Undetermined	Ongoing	State
780	Oahu	Kapolei	Campbell Industrial Park Area-wide Stream/Canal Sediment Study	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
781	Oahu	Kapolei	Campbell Industrial Park	Low	Assessment	Hazard Undetermined	Ongoing	State
782	Oahu	Kapolei	Petroleum Sheen on Groundwater	Low	Assessment	Hazard Undetermined	Ongoing	State
783	Oahu	Kapolei	Chevron USA Hawaiian Refinery	Medium	Assessment	Undetermined	Inactive	State
784	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive	State
785	Oahu	Kapolei	CoVan Warehouse	Low	Response	Hazard Present	Inactive	State
786	Oahu	Kapolei	Covanta HPOWER RDF Ash Tower	Low	Assessment	Hazard Undetermined	Ongoing	State
787	Oahu	Kapolei	D.R. Horton	Low	Assessment	Hazard Undetermined	Ongoing	State
788	Oahu	Kapolei	Delta Construction Base Yard Diesel Fuel Release Response	Low	Assessment	Hazard Undetermined	Ongoing	State
789	Oahu	Kapolei	Assessment-Grace Pacific Kalaeloa Asphalt Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
790	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Inactive	Brownfields
791	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive	State
792	Oahu	Kapolei	Hanua Street Petroleum on Groundwater	Medium	Response	Hazard Undetermined	Ongoing	State
793	Oahu	Kapolei	Honolulu Wood Treating Company Mineral Spirits Release	Low	Response	Hazard Undetermined	Ongoing	State
794	Oahu	Kapolei	Island Energy Kapolei Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
795	Oahu	Kapolei	Kalaeloa Airport Day Tank Warehouse	Low	Assessment	Hazard Undetermined	Ongoing	State
796	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive	State

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796	Oahu	Kapolei	Kalaeloa Redevelopment Program	Low	Assessment	Hazard Undetermined	Ongoing	State
797	Oahu	Kapolei	Kapolei Business Park Perchloroethylene in Soil	Low	Assessment	Hazard Undetermined	Ongoing	State
798	Oahu	Kapolei	Kapolei Chevron Station	Low	Assessment	Hazard Undetermined	Ongoing	State
799	Oahu	Kapolei	Makakilo Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
800	Oahu	Kapolei	Mauka Lani Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
801	Oahu	Kapolei	PAR Refinery Manifold Kapolei	Low	Assessment	Hazard Undetermined	Ongoing	State
802	Oahu	Kapolei	Tesoro Oil Spill NRDA/single buoy mooring Barbers Point Harbor Oil Spill 8/24/98	Low	Assessment	Hazard Undetermined	Ongoing	State
803	Oahu	Kapolei	Used Oil Storage Tank #5	Low	Response	Hazard Undetermined	Ongoing	State
804	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Ongoing	State
805	Oahu	Kunia	Del Monte Corporation Oahu Plantation	Low	Response	Hazard Managed with Engineering Controls	Ongoing	NPL
806	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present Hazard	Ongoing	State
807	Oahu	Kunia	Kunia Wells I	Low	Assessment	Undetermined Hazard	Ongoing	State
808	Oahu	Kunia	Kunia Wells II	Low	Assessment	Undetermined Hazard	Ongoing	State
809	Oahu	Laie	Kahawainui Stream Sediment Management	Low	Assessment	Undetermined Hazard	Ongoing	State
810	Oahu	Laie	Laie Elementary School Building Exterior Soils	Low	Assessment	Undetermined Hazard Managed with Engineering Controls	Ongoing	State
811	Oahu	Mali	84-Acre Portion of the Former Voice of America Site	Low	Response	Hazard Undetermined	NFA	State
812	Oahu	Mali	Hale Makana O Mali	Low	Assessment	Hazard Undetermined	Ongoing	State
813	Oahu	Mali	Ka Pua Learning Center	Low	Assessment	Hazard Undetermined	Ongoing	State

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814	Oahu	Makaha	Makaha Valley Redevelopment	Low	Assessment	Hazard Undetermined	Ongoing	State
815	Oahu	Makakilo	Grace Pacific Lower Makakilo Quarry	Low	Assessment	Hazard Undetermined	Ongoing	VRP
816	Oahu	Mililani	Kipapa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
817	Oahu	Mililani	Mililani Uka Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
818	Oahu	Mililani	Mililani Waena Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
819	Oahu	Mililani	Mililani Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
820	Oahu	Mililani	Mililani Wells II	Low	Response	Hazard Undetermined	Ongoing	State
821	Oahu	Mililani	Proposed Site of Mililani Mauka II Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
822	Oahu	Mililani	Unocal Service Station 7587	Low	Assessment	Hazard Undetermined	Ongoing	State
823	Oahu	Nuuanu	Nuuanu No.1 Reservoir	Low	Assessment	Hazard Undetermined	Ongoing	State
824	Oahu	Oahu-wide	DOE Oahu Elementary Schools Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
825	Oahu	Off shore	Lanikai Off-shore Unexploded Ordnance	Low	Assessment	Hazard Undetermined	Ongoing	State
826	Oahu	Pearl City	406 Kamehameha Highway	Medium	Assessment	Hazard Present	Ongoing	State
827	Oahu	Pearl City	DOH Waimano Home Road Campus	Low	Assessment	Hazard Managed with Engineering Controls	Inactive	Brownfields Site
828	Oahu	Pearl City	HART Banana Patch	Medium	Assessment	Hazard Undetermined	Ongoing	State
829	Oahu	Pearl City	Hawaiian Electric Co.-Waiau Generating Station	Medium	Response	Hazard Present	Ongoing	State
830	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Present	Ongoing	State
831	Oahu	Pearl City	HECO Waiau Generating Station Unit 5 PCB Cleanup	Medium	Response	Hazard Present	Inactive	State
832	Oahu	Pearl City	Lehua Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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833	Oahu	Pearl City	Manana Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
834	Oahu	Pearl City	Marines MFH Manana Momilani Elementary School	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
835	Oahu	Pearl City	Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
836	Oahu	Pearl City	Navy MFH Manana	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
837	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
838	Oahu	Pearl City	Noble's Auto Transmission Palisades Elementary School	Low	Response	Hazard Present	Ongoing	State
839	Oahu	Pearl City	Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
840	Oahu	Pearl City	Pearl City Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
841	Oahu	Pearl City	Pearl City Midas	Low	Assessment	Hazard Undetermined	Ongoing	State
842	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
843	Oahu	Pearl City	Pearlridge Station	Low	Assessment	Hazard Undetermined	Ongoing	State
844	Oahu	Pearl City	RHS Lee Baseyard	Low	Assessment	Hazard Undetermined	Ongoing	State
845	Oahu	Pearl City	RHS Lee Baseyard Northern Area	Low	Response	Hazard Present	Ongoing	State
846	Oahu	Pearl City	RHS Lee Baseyard Southern Area	Low	Response	Hazard Undetermined	Ongoing	State
847	Oahu	Pearl City	RHS Lee Baseyard Waiawa Stream Bank Areas	Medium	Response	No Hazard	NFA	State
848	Oahu	Pearl City	Waiawa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
849	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Hazard Undetermined	Ongoing	State
850	Oahu	Pearl Harbor	Navy Base - Pearl Harbor	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>
851	Oahu	Pearl Harbor	Pearl Harbor Naval Complex	Medium	Response	Hazard Undetermined	Ongoing	NPL
852	Oahu	Pearl Harbor	Pearl Harbor Pier Bravo 1 On-going Subsurface Release	Low	Assessment	Hazard Undetermined	Ongoing	State
853	Oahu	Pearl Harbor	Pearl Harbor Sediment Study DU E-2	High	Assessment	Hazard Present	Ongoing	State
854	Oahu	Sand Island	Former Bills Crane Service Inc	Low	Assessment	Hazard Undetermined	Ongoing	State
855	Oahu	Schofield Barracks	Army MFH SB Akolea	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
856	Oahu	Schofield Barracks	Army MFH SB Aloala	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
857	Oahu	Schofield Barracks	Army MFH SB Canby	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
858	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
859	Oahu	Schofield Barracks	Army MFH SB Hamilton	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
860	Oahu	Schofield Barracks	Army MFH SB Kaena	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
861	Oahu	Schofield Barracks	Army MFH SB Leader Field	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
862	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
863	Oahu	Schofield Barracks	Army MFH SB Moyer	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
864	Oahu	Schofield Barracks	Army MFH SB Patriot	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

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865	Oahu	Schofield Barracks	Army MFH SB Porter	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
866	Oahu	Schofield Barracks	Army MFH SB Ralston	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
867	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
868	Oahu	Schofield Barracks	Army MFH SB Solomon	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
869	Oahu	Schofield Barracks	Hale Kula Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
870	Oahu	Schofield Barracks	Solomon Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
871	Oahu	Statewide	All State-Owned Airports	Low	Assessment	Hazard Managed with Institutional Controls	Ongoing	State
872	Oahu	Statewide	DOE Statewide School Study	Low	Assessment	Hazard Undetermined	Ongoing	State
873	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
874	Oahu	Wahiawa	Del Monte Wahiawa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
875	Oahu	Wahiawa	Dole Company Wahiawa Pesticide Mixing Area	Medium	Response	Hazard Present	Ongoing	Site Discovery
876	Oahu	Wahiawa	Helemano Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
877	Oahu	Wahiawa	Helemano Wilderness Area Firing Ranges	NFA	Response	Hazard Managed with Institutional Controls	NFA	State
878	Oahu	Wahiawa	HMR TEMF Site (vic Bldg HMR 210)	Low	Response	Hazard Undetermined	Ongoing	State
879	Oahu	Wahiawa	Iliahi Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
880	Oahu	Wahiawa	Kaala Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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881	Oahu	Wahiawa	Leilehua High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
882	Oahu	Wahiawa	Naval Computer & Telecommunication Area Master Station (NCTAMS)	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	NPL
883	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
884	Oahu	Wahiawa	Poamoho Rag Disposal Area	Low	Assessment	Hazard Undetermined	Ongoing	State
885	Oahu	Wahiawa	Solomon Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
886	Oahu	Wahiawa	Used Oil AST	Low	Assessment	Hazard Undetermined	Ongoing	State
887	Oahu	Wahiawa	Wahiawa ADC Project	Low	Assessment	Hazard Undetermined	Ongoing	State
888	Oahu	Wahiawa	Wahiawa Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
889	Oahu	Wahiawa	Wheeler Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
890	Oahu	Waialua	Dillingham Airfield and Gliderport	Low	Assessment	Hazard Undetermined	Ongoing	State
891	Oahu	Waialua	Kahaulelio/Saguibo Waialua Properties	Low	Assessment	Hazard Undetermined	Ongoing	State
892	Oahu	Waialua	Waialua Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
893	Oahu	Waialua	Waialua Sugar Company, Inc.	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
894	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Assessment	Hazard Managed with Engineering Controls	Ongoing	VRP
895	Oahu	Waianae	Grace Pacific Farrington Highway Waianae	Low	Assessment	Hazard Undetermined	Ongoing	State
896	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing	State
897	Oahu	Waianae	Kamaile Academy Public Charter School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
898	Oahu	Waianae	Leihoku Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State

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899	Oahu	Waianae	Maili Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
900	Oahu	Waianae	Makaha Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
901	Oahu	Waianae	Nanakuli Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
902	Oahu	Waianae	Waianae Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
903	Oahu	Waianae	Waianae Elementary School diesel UST	Low	Assessment	Hazard Managed with Institutional Controls	NFA	State
904	Oahu	Waianae	Waianae High School Outdoor Air Rifle Range	Low	Response	Hazard Undetermined	Ongoing	State
905	Oahu	Waianae	Waianae Sugar Company Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
906	Oahu	Waikiki	Waikiki Kuhio Collection KiiKii Stream Maintenance	Low	Assessment	No Hazard	NFA	State
907	Oahu	Wailua	Dredging	Low	Response	Hazard Present Hazard Managed with Engineering Controls	Ongoing	State
908	Oahu	Waimanalo	Air Force MFH Bellows Renovation	High	Response	Hazard Undetermined	Ongoing	State
909	Oahu	Waimanalo	Kuni's Chevron Service	Low	Assessment	Hazard Undetermined	Ongoing	State
910	Oahu	Waimanalo	Pope Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
911	Oahu	Waimanalo	University of Hawaii, Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive	State
912	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive	State
913	Oahu	Waimanalo	Waimanalo Elementary and Intermediate School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
914	Oahu	Waimanalo	Waimanalo Sugar Company PMA	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
915	Oahu	Waipahu	94-250 Mokuola St	Low	Assessment	Hazard Present	Ongoing	State
916	Oahu	Waipahu	August Ahrens Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
917	Oahu	Waipahu	Clover Sinkers Lead Weight Manufacturing	Medium	Response	No Hazard	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>
918	Oahu	Waipahu	Hans Metals	Low	Response	Hazard Managed with Institutional Controls	Ongoing	State
919	Oahu	Waipahu	Honolulu Rail Transit Project - Farrington Guideway Segment	Low	Assessment	Hazard	Ongoing	State
920	Oahu	Waipahu	Honowai Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
921	Oahu	Waipahu	Kaleiopuu Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
922	Oahu	Waipahu	Kaleiopuuu Elementary School Expansion	Low	Assessment	Hazard	Ongoing	State
923	Oahu	Waipahu	Kanoelani Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
924	Oahu	Waipahu	Navy MFH Ford Island	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
925	Oahu	Waipahu	Oahu Sugar Company - Seed Vat	Low	Assessment	Hazard	Ongoing	Site Discovery
926	Oahu	Waipahu	Waipahu Dry Cleaners	Medium	Response	Hazard Present	Ongoing	State
927	Oahu	Waipahu	Waipahu Elementary School Building Exterior Soils	Low	Assessment	Hazard	Ongoing	State
928	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Hazard	Ongoing	State
929	Oahu	Waipio	Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula	Low	Assessment	Hazard	Ongoing	State
930	Oahu	Waipio	Koa Ridge Development	NFA	Assessment	No Hazard	NFA	State
931	Oahu	Wheeler AAF	Army MFH WAAF Kunia	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
932	Oahu	Wheeler AAF	Army MFH WAAF Puali North	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
933	Oahu	Wheeler AAF	Army MFH WAAF Puali South	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State
934	Oahu	Wheeler AAF	Army MFH WAAF Wiliwili	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	State

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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	Air Force, Hilo Air National Guard Station	General Lyman Airfield	Low	Assessment	Hazard Undetermined	Ongoing	IRP
2	Hawaii	Army, Corps of Engineers	FUDS Ammunition Storage Point No.2	Low	Assessment	Hazard Undetermined	Inactive	FUDS
3	Hawaii	Army, Corps of Engineers	FUDS Army Impact Range	Low	Assessment	Hazard Present	Ongoing	FUDS
4	Hawaii	Army, Corps of Engineers	FUDS Camp Furneaux (Olaa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
5	Hawaii	Army, Corps of Engineers	FUDS Cross Island Road (Mauna Kea)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
6	Hawaii	Army, Corps of Engineers	FUDS Firing Range and Camp, Lalamilo, Hawaii	High	Response	Hazard Present	Ongoing	FUDS
7	Hawaii	Army, Corps of Engineers	FUDS General Lyman Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
8	Hawaii	Army, Corps of Engineers	FUDS Ka'u Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
9	Hawaii	Army, Corps of Engineers	FUDS Kaumana Camp (Hilo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
10	Hawaii	Army, Corps of Engineers	FUDS Keaau Bombing Target	Low	Assessment	Hazard Present	Ongoing	FUDS
11	Hawaii	Army, Corps of Engineers	FUDS Kilauea Military Camp (Hawaii Volcanoes National Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
12	Hawaii	Army, Corps of Engineers	FUDS Kinooole Camp (Waiakea)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
13	Hawaii	Army, Corps of Engineers	FUDS Quartermaster Bakery (Kamuela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
14	Hawaii	Army, Corps of Engineers	FUDS Upolu Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
15	Hawaii	Army, Corps of Engineers	FUDS Wahine Maka Nui Target	Low	Assessment	Hazard Present	Ongoing	FUDS
16	Hawaii	Army, Corps of Engineers	FUDS Waiakea Forest Reserve	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
17	Hawaii	Army, Corps of Engineers	FUDS Waiakea Storage Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
18	Hawaii	Army, Corps of Engineers	FUDS Waianuenue Camp (Hilo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
19	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area	Medium	Response	Hazard Present	Ongoing	FUDS
20	Hawaii	Army, Corps of Engineers	Mahukona Range FUDS MMRP	Low	Assessment	Hazard Present	Ongoing	FUDS
21	Hawaii	Army, Corps of Engineers	Nansay Hawaii (Ouli & Puako)	Low	Assessment	Hazard Present	Ongoing	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
22	Hawaii	Army, Corps of Engineers	Pakini Bombing Range, Kau, Hawaii	Medium	Assessment	Hazard Present	Ongoing	FUDS
23	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, Old Transformer Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
24	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
25	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	IRP
26	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation MMRP Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
27	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
28	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area Range Facility	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
29	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Humuula Sheet Station West (PTA-001-R-01)	Medium	Assessment	Hazard Present	Ongoing	MMRP
30	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Kulani Boys' Home (PTA-002-R-01)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
31	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Kulani Boys' Home Burn Pile (PTA-002-R-02)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
32	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Pu'u Pa'a	Low	Response	Hazard Present	Ongoing	MMRP
33	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Vehicle Refueling Area	Low	Assessment	Hazard Undetermined	Inactive	MMRP
34	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area 15	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
35	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area 16 A, B, C, D, E	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
36	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area 17 A, B, C, E, F	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
37	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area 17 D	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
38	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area A	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
39	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area B	Medium	Assessment	Hazard Undetermined	Ongoing DSMOA
40	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area BOQJ	Low	Assessment	Hazard Undetermined	Ongoing MMRP
41	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area C	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
42	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area D	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
43	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area E	Medium	Assessment	Hazard Undetermined	Ongoing DSMOA
44	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area F	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
45	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area G	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
46	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area H	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
47	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area I	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
48	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area J	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
49	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area K	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
50	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area L	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
51	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area M	Medium	Response	Hazard Present	Ongoing DSMOA
52	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area N	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
53	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area O	Medium	Assessment	Hazard Undetermined	Ongoing FUDS
54	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P	Medium	Assessment	Hazard Undetermined	Ongoing DSMOA
55	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P, Jack Hall Kona Memorial Parcel	Low	Assessment	Hazard Undetermined	Ongoing MMRP
56	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P, Kaialulu O Waikoloa (KOW)	NFA	Assessment	Hazard Managed with Institutional Controls	NFA MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
57	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P, Kamakoa Nui	NFA	Assessment	Hazard Managed with Institutional Controls	NFA	MMRP
58			FUDS Waikoloa Maneuver Area, Area P, Kamakoa Workforce Housing Parcels			Low		
59	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P, Ke Kumu	NFA	Assessment	Hazard Managed with Institutional Controls	NFA	MMRP
60			FUDS Waikoloa Maneuver Area, Area P, Plumeria Parcel			Low		
61	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area P, Waikoloa Family Affordable (WFA)	NFA	Assessment	Hazard Managed with Institutional Controls	NFA	MMRP
62			FUDS Waikoloa Maneuver Area, Area Q			Medium		
63	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area Q, Lalamilo Phase 2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
64			FUDS Waikoloa Maneuver Area, Area R			Medium		
65	Hawaii	Army, Waikoloa Maneuver Area	FUDS Waikoloa Maneuver Area, Area S	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
66			FUDS Waikoloa Maneuver Area, Area T			Low		
67	Johnston Atoll	Army, Johnston Atoll	Johnston Atoll	Low	Assessment	Hazard Undetermined	Ongoing	Army
68	Kahoolawe	Navy, Marine Corps	Kahoolawe Island (HI6170090074)	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
69	Kauai	Air Force, Kokee Air Force Station	Kokee Air Force Station	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
70	Kauai	Army, Camp Makaweli	FUDS Camp Makaweli Regimental Combat Team	Low	Assessment	Hazard Undetermined	Ongoing	IRP
71			Training Campsite			Low		
72	Kauai	Army, Corps of Engineers	FUDS 1st Station Hospital	Low	Assessment	Hazard Present	Ongoing	FUDS
73	Kauai	Army, Corps of Engineers	FUDS Ahukini	Low	Assessment	Hazard Present	Ongoing	FUDS
			FUDS Anahola- Moloaa Artillery Impact Area			Low		

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
<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>	
74	Kauai	Army, Corps of Engineers	FUDS Bonham Air Force Base	Low	Assessment	Hazard	Inactive	FUDS
75	Kauai	Army, Corps of Engineers	FUDS Division Headquarters (Kalaheo)	Low	Assessment	Hazard	Inactive	FUDS
76	Kauai	Army, Corps of Engineers	FUDS Eleele Quartermaster Station	Low	Assessment	Hazard	Inactive	FUDS
77	Kauai	Army, Corps of Engineers	FUDS Grove Farm Artillery Range, Kauai	Low	Response	Hazard Managed with Engineering Controls	Ongoing	FUDS
78	Kauai	Army, Corps of Engineers	FUDS Kapaa Division Training Camp	Low	Assessment	Hazard	Inactive	FUDS
79	Kauai	Army, Corps of Engineers	FUDS Kauai Amphibious Training Center	Low	Assessment	Hazard	Inactive	FUDS
80	Kauai	Army, Corps of Engineers	FUDS Kekaha Military Reservation	Low	Assessment	Hazard	Inactive	FUDS
81	Kauai	Army, Corps of Engineers	FUDS Kekaha School Lot	Low	Assessment	Hazard	Inactive	FUDS
82	Kauai	Army, Corps of Engineers	FUDS Koloa Bakery	Low	Assessment	Hazard	Inactive	FUDS
83	Kauai	Army, Corps of Engineers	FUDS Koloa Ice Plant	Low	Assessment	Hazard	Inactive	FUDS
84	Kauai	Army, Corps of Engineers	FUDS Puulani Radar Station	Low	Assessment	Hazard	Inactive	FUDS
85	Kauai	Army, Corps of Engineers	FUDS Wailua Aeroplane Landing Field	Low	Assessment	Hazard	Inactive	FUDS
86	Kauai	Army, Corps of Engineers	FUDS Wailua Rifle Range	Low	Assessment	Hazard	Inactive	FUDS
87	Kauai	Army, Corps of Engineers	FUDS Waimea Crash Boat Base	Low	Assessment	Hazard	Inactive	FUDS
88	Kauai	Army, Corps of Engineers	FUDS Waimea School	Low	Assessment	Hazard	Inactive	FUDS
89	Kauai	Army, Corps of Engineers	FUDS Waimea Training Site	Medium	Assessment	Hazard Present	Ongoing	FUDS
90	Kauai	Navy, Pacific Missile Range Facility	Pacific Missile Range Facility (HI6170024719)	Medium	Assessment	Hazard	Ongoing	IRP
91	Kauai	Navy, Pacific Missile Range Facility	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard	Ongoing	IRP
92	Kauai	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard	Inactive	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program	
93	Kauai	Navy, Pacific Missile Range Facility	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined	Inactive	IRP
94	Kauai	Navy, Pacific Missile Range Facility	PMRF, Landfill Site	Medium	Response	Hazard Undetermined	Ongoing	IRP
95	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Hulopoe Bay	Medium	Assessment	Hazard Present	Ongoing	FUDS
96	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Kaena Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
97	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Keanapapa Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
98	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Manele Bay	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
99	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
100	Lanai	Army, Corps of Engineers	Lanai Radar Station	Low	Response	Hazard Present	Ongoing	FUDS
101	Maui	Air Force, Maui Satellite Tracking Station	Maui Satellite Tracking Site	Low	Assessment	Hazard Undetermined	Ongoing	IRP
102	Maui	Army	FUDS Puunene Airport H09HI030500 Project SECOR	Low	Assessment	Hazard Undetermined	Ongoing	IRP
103	Maui	Army, Corps of Engineers	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present	Ongoing	FUDS
104	Maui	Army, Corps of Engineers	FUDS Haiku Marine Camp	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
105	Maui	Army, Corps of Engineers	FUDS Haleakala Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
106	Maui	Army, Corps of Engineers	FUDS Kailua Radar System (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
107	Maui	Army, Corps of Engineers	FUDS Makawao Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
108	Maui	Army, Corps of Engineers	FUDS Marine Combat Course (Pauwela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
109	Maui	Army, Corps of Engineers	FUDS Marine Maneuver Area (Keanae)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
110	Maui	Army, Corps of Engineers	FUDS Marine Oil Storage (Haiku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
111	Maui	Army, Corps of Engineers	FUDS Marine Training Activities (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
112	Maui	Army, Corps of Engineers	FUDS Maui Airport, Puunene Landfill	Low	Response	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
113	Maui	Army, Corps of Engineers	FUDS Maui Bombing Targets, Kanahena Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
114	Maui	Army, Corps of Engineers	FUDS Maui Bombing Targets, Kanounou Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
115	Maui	Army, Corps of Engineers	FUDS Maui Combat Base Training (Ulupalakua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
116	Maui	Army, Corps of Engineers	FUDS Naval Air Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
117	Maui	Army, Corps of Engineers	FUDS Navy Military Activities	Low	Assessment	Hazard Undetermined	Inactive	FUDS
118	Maui	Army, Corps of Engineers	FUDS Navy Military Reservation (Kahului)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
119	Maui	Army, Corps of Engineers	FUDS Peahi Marine Firing Range	Low	Assessment	Hazard Undetermined	Inactive	FUDS
120	Maui	Army, Corps of Engineers	FUDS The Tradewinds (Paia)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
121	Maui	Army, Corps of Engineers	FUDS Waipio Bombing Targets	Low	Assessment	Hazard Undetermined	Inactive	FUDS
122	Maui	Army, Corps of Engineers	HIARNG, Kanaio Local Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
123	Maui	Army, Corps of Engineers	Kane Puu Naval Bombing Range	Medium	Assessment	FUDS MMRP	Ongoing	FUDS
124	Maui	Army, Corps of Engineers	Opana Point Maui	Medium	Response	Hazard Present	Ongoing	FUDS
125	Molokai	Army, Corps of Engineers	FUDS Ilio Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
126	Molokai	Army, Corps of Engineers	FUDS Ilio Point Annex	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
127	Molokai	Army, Corps of Engineers	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
128	Molokai	Army, Corps of Engineers	FUDS Molokai Bombing Targets - Punakua	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
129	Molokai	Army, Corps of Engineers	FUDS Moomomi Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
130	Molokai	Army, Corps of Engineers	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present	Ongoing	FUDS
131	Molokai	Army, Corps of Engineers	Makanalua Bombing Range	Low	Response	Hazard Present	Ongoing	FUDS
132	Molokai	Army, Corps of Engineers	Papohaku Ranchland and Punakua Target Area	High	Response	Hazard Managed with Institutional Controls	Ongoing	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
133	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined	Ongoing	IRP
134	Oahu	Air Force, Bellows Air Force Station	Bellows AFS Marine Corps Training Area Parcel 5C	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
135	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large Bomb Range	Low	Assessment	Hazard Present	Ongoing	MMRP
136	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large bomb Range [Revised]	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
137	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
138	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present	Ongoing	MMRP
139	Oahu	Air Force, Bellows Air Force Station	Bellows Air Force Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
140	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
141	Oahu	Air Force, Fort Kamehameha	Hickam AFB ST20, Subsite F-708	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
142	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Elementary School Library	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
143	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, Former Skeet Ranges	Low	Response	Hazard Present	Ongoing	MMRP
144	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, TS001 Hickam Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
145	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
146	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
147	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Hazard Present	Ongoing	MMRP
148	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present	Ongoing	MMRP
149	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Multiple AOCs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
150	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Soil Contamination Fort Kamehameha Road	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
151	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST01, 922A	Low	Response	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
<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>	
152	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST01, Subsite F-Navy Barracks	Low	Assessment	Hazard Undetermined	Ongoing	IRP
153	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, 3190B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
154	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-503	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
155	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-525	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
156	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-526	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
157	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-528	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
158	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-530	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
159	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-531	Low	Assessment	Hazard Undetermined	Ongoing	IRP
160	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-540	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
161	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542	Low	Assessment	Hazard Undetermined	Ongoing	IRP
162	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
163	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
164	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
165	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
166	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
167	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-548	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
168	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
169	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
170	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-552FK	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
171	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-554FK	Low	Assessment	Hazard Undetermined	Ongoing	IRP
172	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-558	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
173	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-563A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
174	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-703	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
175	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-704	Low	Assessment	Hazard Undetermined	Ongoing	IRP
176	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-705	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
177	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-707	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
178	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-709	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
179	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-711	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
180	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-712	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
181	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-713	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
182	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-714	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
183	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-715	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
184	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-721	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
185	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-752	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
186	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-701	Low	Assessment	Hazard Undetermined	Ongoing	IRP
187	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-722	Low	Assessment	Hazard Undetermined	Ongoing	IRP
188	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-724	Low	Assessment	Hazard Undetermined	Ongoing	IRP
189	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, F-3016	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
190	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, F-126A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
191	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 215	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
192	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 940	Low	Response	Hazard Present	Ongoing	IRP
193	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite F-175	Low	Assessment	Hazard Undetermined	Ongoing	IRP
194	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, 1105	Low	Assessment	Hazard Undetermined	Ongoing	IRP
195	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, 1250 A and B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
196	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, 1257 A & B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
197	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, 55-8-14	Low	Assessment	Hazard Undetermined	Ongoing	IRP
198	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, F-2081	Low	Assessment	Hazard Undetermined	Ongoing	IRP
199	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, F554-1166	Low	Assessment	Hazard Undetermined	Ongoing	IRP
200	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Former Runway M	Low	Assessment	Hazard Undetermined	Ongoing	IRP
201	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Former Runway NW	Low	Assessment	Hazard Undetermined	Ongoing	IRP
202	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Former Runway SE	Low	Assessment	Hazard Undetermined	Ongoing	IRP
203	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1113	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
204	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1132	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
205	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Vickers Avenue USTs	Medium	Response	Hazard Present	Ongoing	IRP
206	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite F-244	Low	Assessment	Hazard Undetermined	Ongoing	IRP
207	Oahu	Air Force, Hickam Air Force Base	HICKAM AFB ST34, Clean Water Rinse Facility	Low	Assessment	Hazard Present	Ongoing	IRP
208	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, F-180	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
209	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Subsite 2184	Low	Response	Hazard Present	Ongoing	DSMOA
210	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-17-2105	Low	Assessment	Hazard Undetermined	Ongoing	IRP
211	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-1808	Low	Assessment	Hazard Undetermined	Ongoing	IRP
212	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-20-2105	Low	Response	Hazard Undetermined	Ongoing	IRP
213	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-21B	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
214	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 2072 UST	Low	Response	Hazard Present	Ongoing	IRP
215	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Foster Point Seawall	Low	Assessment	Hazard Undetermined	Ongoing	IRP
216	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Subsurface Fuel Plume	Low	Assessment	Hazard Undetermined	Ongoing	IRP
217	Oahu	Air Force, Hickam Air Force Base	Hickam Air Force Base Building 1204	Low	Assessment	Hazard Undetermined	Inactive	IRP
218	Oahu	Air Force, Hickam Air Force Base	Hickam Former Building 2156 AST Sump	Low	Assessment	Hazard Present	Ongoing	IRP
219	Oahu	Air Force, Hickam Air Force Base	Old HIANG Area Contaminated Soils (AOC KNMD-EA11)	Low	Assessment	Hazard Undetermined	Inactive	IRP
220	Oahu	Air Force, Hickam Air Force Base	Potential Landfill (Near LF14 & LF15) AOC KNMD-EA01	Low	Assessment	Hazard Undetermined	Inactive	IRP
221	Oahu	Air Force, Hickam Air Force Base	ST31 1046B Tank	Low	Assessment	Hazard Undetermined	Ongoing	IRP
222	Oahu	Air Force, Hickam Air Force Base	Waiwa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined	Inactive	IRP
223	Oahu	Air Force, Hickam Air Force Base	Wash Racks/Building 2025 and Near Building 1055 (KNMD-EA22)	Low	Assessment	Hazard Undetermined	Inactive	IRP
224	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point Satellite Tracking Station ST001 Former Fuel Tank/Pipeline Tank	Low	Assessment	Hazard Undetermined	Ongoing	IRP
225	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA06	Low	Assessment	Hazard Undetermined	Ongoing	IRP
226	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT501 Building 21	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
<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>	
227	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT503	Low	Assessment	Hazard Undetermined	Ongoing	IRP
228	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS TU500	Low	Assessment	Hazard Undetermined	Ongoing	IRP
229	Oahu	Air Force, Palehua Solar Observatory	Palehua Solar Observatory	Low	Assessment	Hazard Undetermined	Ongoing	IRP
230	Oahu	Army	DOD US Army	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
231	Oahu	Army, Fort Barrette	FUDS Fort Barrette	Low	Assessment	Hazard Undetermined	Ongoing	IRP
232	Oahu	Army, Palailai Military Reservation	FUDS Palailai Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
233	Oahu	Army, Puu Makakilo Training Area	FUDS Puu Makakilo Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
234	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	IRP
235	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Freon with Oil Release	Low	Assessment	Hazard Undetermined	Ongoing	Army
236	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined	Inactive	IRP
237	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Kipapa Ammo Storage Tunnels	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
238	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Kipapa Ammo Storage Tunnels Legal Pesticide Application	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
239	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Schofield Army Bldg 747 Diesel	Low	Assessment	Hazard Undetermined	Ongoing	IRP
240	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
241	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammunitions Storage Tunnel MMRP Site 24A	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
242	Oahu	Army, Corps of Engineers	FUDS 218th General Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
243	Oahu	Army, Corps of Engineers	FUDS 220th Signal Depot (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive FUDS
244	Oahu	Army, Corps of Engineers	FUDS 230th Station Hospital (Kaneohe)	Low	Assessment	Hazard Undetermined	Inactive FUDS
245	Oahu	Army, Corps of Engineers	FUDS 26th Station Hospital	Low	Assessment	Hazard Undetermined	Inactive IRP
246	Oahu	Army, Corps of Engineers	FUDS 364th Ordnance Company	Low	Assessment	Hazard Undetermined	Inactive FUDS
247	Oahu	Army, Corps of Engineers	FUDS 41st Coast Artillery Camp	Low	Assessment	Hazard Undetermined	Inactive FUDS
248	Oahu	Army, Corps of Engineers	FUDS Aiea AAA Command Post	Low	Assessment	Hazard Undetermined	Inactive FUDS
249	Oahu	Army, Corps of Engineers	FUDS Ala Wai Field	Low	Assessment	Hazard Undetermined	Inactive FUDS
250	Oahu	Army, Corps of Engineers	FUDS Alewa Height Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
251	Oahu	Army, Corps of Engineers	FUDS Amphibious Training Camp	Low	Assessment	Hazard Undetermined	Inactive FUDS
252	Oahu	Army, Corps of Engineers	FUDS Apollo Bore Site Tower	Low	Assessment	Hazard Undetermined	Inactive FUDS
253	Oahu	Army, Corps of Engineers	FUDS Ashley Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
254	Oahu	Army, Corps of Engineers	FUDS Asphalt Plant (Wheeler)	Low	Assessment	Hazard Undetermined	Inactive FUDS
255	Oahu	Army, Corps of Engineers	FUDS Barbers Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
256	Oahu	Army, Corps of Engineers	FUDS Base Yard No. 6 (Waikiki)	Low	Assessment	Hazard Undetermined	Inactive FUDS
257	Oahu	Army, Corps of Engineers	FUDS Battery Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive FUDS
258	Oahu	Army, Corps of Engineers	FUDS Battery Forrest J. French	Low	Assessment	Hazard Undetermined	Inactive FUDS
259	Oahu	Army, Corps of Engineers	FUDS Battery George W. Ricker	Low	Assessment	Hazard Undetermined	Inactive FUDS
260	Oahu	Army, Corps of Engineers	FUDS Battery Louis R. Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive FUDS
261	Oahu	Army, Corps of Engineers	FUDS Battery Punchbowl	Low	Assessment	Hazard Undetermined	Inactive FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
262	Oahu	Army, Corps of Engineers	FUDS Battery Selfridge (Fort Kamehameha)	Low	Assessment	Hazard Undetermined	Inactive FUDS
263	Oahu	Army, Corps of Engineers	FUDS Battery Willy (Waialae Iki)	Low	Assessment	Hazard Undetermined	Inactive FUDS
264	Oahu	Army, Corps of Engineers	FUDS Brown's Camp Military Reservation (Ko Olina Resort)	Low	Assessment	Hazard Undetermined	Inactive FUDS
265	Oahu	Army, Corps of Engineers	FUDS Camp Beaumont (Nanakuli)	Low	Assessment	Hazard Undetermined	Inactive FUDS
266	Oahu	Army, Corps of Engineers	FUDS Campbell Gulch Ammunition Storage (Kunia)	Low	Assessment	Hazard Undetermined	Inactive FUDS
267	Oahu	Army, Corps of Engineers	FUDS Center Combat Range	Low	Assessment	Hazard Undetermined	Ongoing FUDS
268	Oahu	Army, Corps of Engineers	FUDS Coconut Island	Low	Assessment	Hazard Undetermined	Ongoing FUDS
269	Oahu	Army, Corps of Engineers	FUDS Damon Fish Ponds	Low	Assessment	Hazard Undetermined	Inactive FUDS
270	Oahu	Army, Corps of Engineers	FUDS Damon Tract Shop Area	Low	Assessment	Hazard Undetermined	Inactive FUDS
271	Oahu	Army, Corps of Engineers	FUDS Dawn Star System	Low	Assessment	Hazard Undetermined	Inactive FUDS
272	Oahu	Army, Corps of Engineers	FUDS Diamond Head Ammunition Storage (Diamond Head Reservation)	Low	Assessment	Hazard Undetermined	Inactive FUDS
273	Oahu	Army, Corps of Engineers	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present	Ongoing FUDS
274	Oahu	Army, Corps of Engineers	FUDS Dillingham Base Yard	Low	Assessment	Hazard Undetermined	Inactive FUDS
275	Oahu	Army, Corps of Engineers	FUDS Dillingham Storage Area	Low	Assessment	Hazard Undetermined	Inactive FUDS
276	Oahu	Army, Corps of Engineers	FUDS Dr. Simon's Projects (Various Locations)	Low	Assessment	Hazard Undetermined	Inactive FUDS
277	Oahu	Army, Corps of Engineers	FUDS Drum Fill Plant (Kipapa Gulch)	Low	Assessment	Hazard Undetermined	Inactive FUDS
278	Oahu	Army, Corps of Engineers	FUDS Engineer Power Plants	Low	Assessment	Hazard Undetermined	Inactive FUDS
279	Oahu	Army, Corps of Engineers	FUDS Ewa Beach Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
280	Oahu	Army, Corps of Engineers	FUDS Ewa Church Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
281	Oahu	Army, Corps of Engineers	FUDS Ewa Storage Tank (Pearl City)	Low	Assessment	Hazard Undetermined	Inactive FUDS
282	Oahu	Army, Corps of Engineers	FUDS Former Naval Ammunition Depot (NAD)	Low	Assessment	Hazard Undetermined	Inactive FUDS
283	Oahu	Army, Corps of Engineers	FUDS Former Navy Supply Center	Low	Assessment	Hazard Undetermined	Inactive FUDS
284	Oahu	Army, Corps of Engineers	FUDS Fort Armstrong Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
285	Oahu	Army, Corps of Engineers	FUDS Fort Hase Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing FUDS
286	Oahu	Army, Corps of Engineers	FUDS Fort Kamehameha	Low	Assessment	Undetermined	Inactive FUDS
287	Oahu	Army, Corps of Engineers	FUDS Haiku Radio Station	High	Response	Hazard Present	Ongoing FUDS
288	Oahu	Army, Corps of Engineers	FUDS Kahuku Training Area	Low	Assessment	Hazard Present	Ongoing FUDS
289	Oahu	Army, Corps of Engineers	FUDS Kaukonahua Storage Annex (Waipio)	Low	Assessment	Hazard Undetermined	Inactive FUDS
290	Oahu	Army, Corps of Engineers	FUDS Keaahala Military Reservation (Kaneohe District Park)	Low	Assessment	Hazard Undetermined	Inactive FUDS
291	Oahu	Army, Corps of Engineers	FUDS Kewalo Basin Gun Site	Low	Assessment	Hazard Undetermined	Inactive FUDS
292	Oahu	Army, Corps of Engineers	FUDS Kipapa Ammunition Storage Site	Low	Assessment	Hazard Undetermined	Inactive FUDS
293	Oahu	Army, Corps of Engineers	FUDS Koko Crater Radar Station	Low	Assessment	Hazard Undetermined	Inactive FUDS
294	Oahu	Army, Corps of Engineers	FUDS Koko Head Medical Center (Koko Head District Park)	Low	Assessment	Hazard Undetermined	Inactive FUDS
295	Oahu	Army, Corps of Engineers	FUDS Kokololio Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
296	Oahu	Army, Corps of Engineers	FUDS Kualoa Airfield	Low	Assessment	Hazard Undetermined	Inactive FUDS
297	Oahu	Army, Corps of Engineers	FUDS Kuwili Park Military Reservation (Iwilei)	Low	Assessment	Hazard Undetermined	Inactive FUDS
298	Oahu	Army, Corps of Engineers	FUDS Laie Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
299	Oahu	Army, Corps of Engineers	FUDS Makalapa Crater Navy Salvage Yard	Low	Assessment	Hazard Undetermined	Ongoing FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
<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>	
300	Oahu	Army, Corps of Engineers	FUDS Makapuu Point Radar Station/Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
301	Oahu	Army, Corps of Engineers	FUDS Marconi Impact Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
302	Oahu	Army, Corps of Engineers	FUDS Marine Reservation (Kula)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
303	Oahu	Army, Corps of Engineers	FUDS Nike No. 1 (Dillingham Military Reservation)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
304	Oahu	Army, Corps of Engineers	FUDS Nike Sites 3 & 4 (Bellows AFS)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
305	Oahu	Army, Corps of Engineers	FUDS Oahu Target Island	Medium	Response	Hazard Managed with Institutional Controls	Ongoing	DSMOA
306	Oahu	Army, Corps of Engineers	FUDS Overseas Assembly Yard	Low	Assessment	Hazard Undetermined	Inactive	FUDS
307	Oahu	Army, Corps of Engineers	FUDS Puuiki Military Reservation (Waialua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
308	Oahu	Army, Corps of Engineers	FUDS Puuloa Road	Low	Assessment	Hazard Undetermined	Inactive	FUDS
309	Oahu	Army, Corps of Engineers	FUDS Puuloa-Ex NAS Barbers Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
310	Oahu	Army, Corps of Engineers	FUDS Puu-O-Hulu Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
311	Oahu	Army, Corps of Engineers	FUDS Quartermaster Battalion (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
312	Oahu	Army, Corps of Engineers	FUDS Rabbit Island	Low	Assessment	undetermined Hazard	Ongoing	FUDS
313	Oahu	Army, Corps of Engineers	FUDS Range D-400-L	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
314	Oahu	Army, Corps of Engineers	FUDS Red Hill Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
315	Oahu	Army, Corps of Engineers	FUDS Round Top Military Reservation (Makiki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
316	Oahu	Army, Corps of Engineers	FUDS Sacred Hearts Academy	Low	Assessment	Hazard Undetermined	Inactive	FUDS
317	Oahu	Army, Corps of Engineers	FUDS Sand Island Asphalt Plant	Low	Assessment	Hazard Undetermined	Inactive	FUDS
318	Oahu	Army, Corps of Engineers	FUDS Sand Island Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
319	Oahu	Army, Corps of Engineers	FUDS Site 3 Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS
320	Oahu	Army, Corps of Engineers	FUDS Site 3A Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS
321	Oahu	Army, Corps of Engineers	FUDS St. Louis College (Kalaepohaku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
322	Oahu	Army, Corps of Engineers	FUDS Sugar Loaf Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
323	Oahu	Army, Corps of Engineers	FUDS Transportation Service Area No. 1 (Downtown)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
324	Oahu	Army, Corps of Engineers	FUDS Underground Fuel Storage (Red Hill)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
325	Oahu	Army, Corps of Engineers	FUDS Wahiawa School	Low	Assessment	Hazard Undetermined	Inactive	FUDS
326	Oahu	Army, Corps of Engineers	FUDS Waianae Aircraft Warning Service (AWS)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
327	Oahu	Army, Corps of Engineers	FUDS Waianae Amphibious Training (Waianae Kai)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
328	Oahu	Army, Corps of Engineers	FUDS Waiau Drum Storage	Low	Assessment	Undetermined	Ongoing	FUDS
329	Oahu	Army, Corps of Engineers	FUDS Waiawa Gulch Aviation Supply (Pearl City Industrial Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
330	Oahu	Army, Corps of Engineers	FUDS Waiawa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
331	Oahu	Army, Corps of Engineers	FUDS Wailua Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
332	Oahu	Army, Corps of Engineers	FUDS Waimea Bay Gun Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
333	Oahu	Army, Corps of Engineers	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present Hazard	Ongoing	FUDS
334	Oahu	Army, Corps of Engineers	FUDS Waipio Hospital	Low	Assessment	Undetermined Hazard	Inactive	FUDS
335	Oahu	Army, Corps of Engineers	FUDS Waipio Military Reservation	Low	Assessment	Undetermined Hazard	Inactive	FUDS
336	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Manana)	Low	Assessment	Undetermined Hazard	Inactive	FUDS
337	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Waiawa)	Low	Assessment	Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
338	Oahu	Army, Corps of Engineers	FUDS Warehouse No. 3&4 (Honolulu)	Low	Assessment	Hazard Undetermined	Inactive FUDS
339	Oahu	Army, Corps of Engineers	FUDS Wilhelmina Rise Fire Control Station	Low	Assessment	Hazard Undetermined	Inactive FUDS
340	Oahu	Army, Corps of Engineers	FUDS Yokohama Specie Bank Building	Low	Assessment	Hazard Undetermined	Inactive FUDS
341	Oahu	Army, Corps of Engineers	Heeia Combat Training Camp, Heeia, Oahu	High	Response	Hazard Present	Ongoing DSMOA
342	Oahu	Army, Corps of Engineers	Makapuu Light House FUDS MMRP	Low	Assessment	Hazard Present	Ongoing FUDS
343	Oahu	Army, Corps of Engineers	Offshore Waianae Sewage Outfall, Oahu	Low	Assessment	Hazard Present	Ongoing FUDS
344	Oahu	Army, Corps of Engineers	Pacific Jungle Combat Training Area	High	Response	Hazard Present	Ongoing FUDS
345	Oahu	Army, Corps of Engineers	Wailua Artillery Impact Area FUDS MMRP	Medium	Assessment	Hazard Present	Ongoing FUDS
346	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive IRP
347	Oahu	Army, Dillingham Military Reservation	FUDS Battery Carroll G. Riggs (Waialua)	Low	Assessment	Hazard Undetermined	Inactive FUDS
348	Oahu	Army, Fort DeRussy	Fort DeRussy Transformers by Building T-111 and 2058 Maluhia Road	Low	Assessment	Hazard Undetermined	Ongoing IRP
349	Oahu	Army, Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined	Inactive IRP
350	Oahu	Army, Fort Hase	FUDS Fort Hase-Kapaa Marine Training Area	Low	Assessment	Hazard Undetermined	Ongoing IRP
351	Oahu	Army, Fort Shafter	Fort Shafter KGU Radio Station Transmitter Tower	Low	Assessment	Hazard Undetermined	Ongoing IRP
352	Oahu	Army, Fort Shafter	Fort Shafter MMRP	Low	Response	Hazard Undetermined	Ongoing MMRP
353	Oahu	Army, Heeia Fire Control Station	Fort Shafter Fire Control Station	Low	Assessment	Hazard Undetermined	Ongoing IRP
354	Oahu	Army, Kapalama Military Reservation	Former Kapalama Military Reservation Piers 39 and 40 Pipelines	Low	Assessment	Hazard Undetermined	Ongoing FUDS
355	Oahu	Army, Kapalama Military Reservation	FUDS Kahuku Airfield Army Reservation	Low	Assessment	Hazard Undetermined	Ongoing FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
356	Oahu	Army, Kapalama Military Reservation	Kapalama Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
357	Oahu	Army, Kipapa Gulch	Kipapa Gulch Army Installation	Low	Assessment	Hazard Undetermined	Ongoing FUDS
358	Oahu	Army, Kunia Military Reservation	Kunia Field Station	Low	Assessment	Hazard Undetermined	Ongoing IRP
359	Oahu	Army, Kunia Military Reservation	Kunia Field Station at Kunia Gate	Low	Assessment	Hazard Undetermined	Ongoing IRP
360	Oahu	Army, Kunia Military Reservation	Kunia Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing IRP
361	Oahu	Army, Makua Military Reservation	Makua Military Reservation	Low	Assessment	Hazard Undetermined	Inactive DSMOA
362	Oahu	Army, Makua Military Reservation	MMRP MAKU-004-R-01	Low	Assessment	Hazard Undetermined	Ongoing MMRP
363	Oahu	Army, Pacific Jungle Combat-01-Kahana Valley	FUDS Pacific Jungle Combat-01-Kahana Valley	Low	Assessment	Hazard Undetermined	Ongoing MMRP
364	Oahu	Army, Pacific Jungle Combat-02-Punaluu Valley	FUDS Pacific Jungle Combat-02-Punaluu Valley	Low	Assessment	Hazard Undetermined	Ongoing MMRP
365	Oahu	Army, Pokai Bay	Ordnance Reef Site HI-06	Low	Assessment	Hazard Undetermined	Ongoing MMRP
366	Oahu	Army, Schofield Barracks	Building Quad-J UST Diesel Fuel Release	Low	Assessment	Hazard Undetermined	Ongoing Army
367	Oahu	Army, Schofield Barracks	Schofield Barracks Building	Low	Assessment	Hazard Undetermined	Ongoing IRP
368	Oahu	Army, Schofield Barracks	1087 Bulk Fuel Field Yard	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
369	Oahu	Army, Schofield Barracks	Schofield Barracks Building 589	Low	Assessment	Hazard Undetermined	Ongoing MMRP
370	Oahu	Army, Schofield Barracks	Schofield Barracks East Range	Low	Assessment	Hazard Undetermined	Ongoing IRP
371	Oahu	Army, Schofield Barracks	Schofield Barracks Site 26 Car Care	Low	Assessment	Hazard Undetermined	Ongoing IRP
372	Oahu	Army, Schofield Barracks	Schofield Barracks, NCO Academy, Building 6055	Low	Assessment	Hazard Undetermined	Ongoing IRP
373	Oahu	Army, Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Hazard Undetermined	Ongoing MMRP
	Oahu	Army, Schofield Barracks	Schofield Barracks, UST NCO Academy Building	Low	Assessment	Hazard Undetermined	Ongoing DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
<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>
374	Oahu	Army, Schofield Barracks			Hazard		
		Schofield Barracks MMRP A-100-1	Low	Assessment	Undetermined	Ongoing	MMRP
375	Oahu	Army, Tripler			Hazard		
		FUDS 218th General Hospital (Kamehameha Schools)	Low	Assessment	Undetermined	Ongoing	IRP
376	Oahu	Army, Tripler Army Medical Center			Hazard		
		Tripler Building 144-145 UST	Low	Response	Undetermined	Ongoing	IRP
377	Oahu	Army, Tripler Army Medical Center			Hazard		
		Tripler Hospital UST Tank	Low	Assessment	Undetermined	Ongoing	IRP
378	Oahu	Army, Waiupe Impact Area			Hazard		
		FUDS Waiupe Impact Area	Low	Assessment	Undetermined	Inactive	FUDS
379	Oahu	Army, Waimanalo Training Center			Hazard		
		FUDS Waimanalo Training Center	Low	Assessment	Undetermined	Inactive	FUDS
380	Oahu	Army, Wheeler Army Airfield			Hazard		
		Wheeler Army Airfield	Low	Assessment	Undetermined	Ongoing	IRP
381	Oahu	Army, Wheeler Army Airfield			Hazard		
		Wheeler Army Airfield Building 218	Low	Response	Undetermined	Ongoing	DSMOA
382	Oahu	Army, Wheeler Army Airfield			Hazard		
		Wheeler Army Airfield MMRP	Low	Assessment	Undetermined	Ongoing	MMRP
383	Oahu	Army, Wheeler Army Airfield, Directorate of Public Works			Hazard		
		Waikakalaua Ammunitions Storage Tunnel MMRP WAST-002-R-03	Low	Assessment	Undetermined	Ongoing	DSMOA
384	Oahu	Defense, Defense Reutilization and Marketing Office			Hazard		
		DRMO Manana Storage Area	High	Response	Undetermined	Ongoing	DSMOA
385	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Auto Hobby Shop	Low	Assessment	Undetermined	Inactive	IRP
386	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Building 273	Low	Response	Undetermined	Ongoing	DSMOA
387	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Undetermined	Ongoing	Navy
388	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Dry Well Network	Low	Assessment	Undetermined	Ongoing	BRAC
389	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Electrical Manholes	Low	Assessment	Undetermined	Ongoing	DSMOA
390	Oahu	Navy, Barbers Point Naval Air Station			Hazard Present	Ongoing	BRAC
391	Oahu	Navy, Barbers Point Naval Air Station			Hazard		
		Barbers Point NAS Navy Public Works Center	Low	Response	Undetermined	Ongoing	DSMOA
		Barbers Point NAS Public Works Transportation Compound	Low	Assessment	Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
392	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Regional Groundwater System	Low	Assessment	Hazard Undetermined	Inactive	BRAC
393	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Sanitary Landfill	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
394	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Unexploded Ordnance 2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
395	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS UST BP 19-20	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
396	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC Building 229 Three Unrecorded USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
397	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP
398	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined	Inactive	IRP
399	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined	Inactive	IRP
400	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Pearl City Fuel Annex	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
401	Oahu	Navy, Ford Island	Ford Island	High	Assessment	Hazard Undetermined	Ongoing	IRP
402	Oahu	Navy, Ford Island	Kamehameha Hwy and Ford Island Bridge	Low	Assessment	Hazard Undetermined	Ongoing	IRP
403	Oahu	Navy, Hickam Air Force Base	Navy Building 3407 Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	IRP
404	Oahu	Navy, Joint Base Command	PHNC, Sandblast Grit Disposal JBPHH, Underground Storage	High	Response	Hazard Present	Ongoing	IRP
405	Oahu	Navy, Joint Base Pearl Harbor Hickam (JBPHH)	Tank at Marine Barracks Building 285	Low	Assessment	Hazard Present	Ongoing	IRP
406	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
<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>
407	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Facilities Department Salvage Yard	Low	Response	Hazard Undetermined	Ongoing IRP
408	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
409	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Blank Fire Patrol Lanes	Low	Assessment	Hazard Undetermined	Ongoing MMRP
410	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Ordnance Demolition Area	Low	Assessment	Hazard Undetermined	Inactive IRP
411	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Southeast Asia Jungle Village	Low	Assessment	Hazard Undetermined	Ongoing MMRP
412	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-184	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
413	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-25	Low	Response	Hazard Undetermined	Ongoing DSMOA
414	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-31	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
415	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-329S & KB-329V	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
416	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-4042	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
417	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-44	Low	Assessment	Hazard Undetermined	Inactive IRP
418	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-49	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
419	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-73	Low	Assessment	Hazard Undetermined	Inactive IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
<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>
420	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MSBH, Aviation Supply Facility	Low	Assessment	Hazard Undetermined	Ongoing IRP
421	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Camp H.M. Smith	Low	Assessment	Hazard Undetermined	Ongoing IRP
422	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Camp H.M. Smith Bazooka Practice Area	Low	Assessment	Hazard Undetermined	Ongoing MMRP
423	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
424	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay, Fire Fighting Training Area	Low	Response	Hazard Undetermined	Ongoing IRP
425	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	Naval Computer and Telecommunications Area Master Station Pacific	High	Response	Hazard Undetermined	Ongoing IRP
426	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NAVCAM	Low	Assessment	Hazard Undetermined	Inactive IRP
427	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NRTF Lualualei	High	Response	Hazard Undetermined	Ongoing IRP
428	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch Building 49 Transformer	Medium	Response	Hazard Undetermined	Ongoing DSMOA
429	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Burning Pit MRS	Medium	Response	Hazard Present	Ongoing DSMOA
430	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP
431	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
432	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, West Loch Burning Pit	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
433	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Naval Magazine Lualualei	Low	Assessment	Hazard Undetermined	Inactive IRP
434	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Hazard Undetermined	Ongoing IRP
435	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Hazard Undetermined	Ongoing IRP
436	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Hazard Undetermined	Ongoing IRP
437	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Hazard Undetermined	Ongoing IRP
438	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP
439	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP
440	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined	Ongoing MMRP
441	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present	Ongoing MMRP
442	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP
443	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Northern Munitions Response Sites	Medium	Response	Hazard Present	Ongoing MMRP
444	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined	Ongoing MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
<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>
445	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Outlying Operations Area	High	Response	Hazard Undetermined	Ongoing IRP
446	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Range MRS	Medium	Response	Hazard Undetermined	Ongoing DSMOA
447	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present	Ongoing IRP
448	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Landfill	Low	Assessment	Hazard Undetermined	Ongoing IRP
449	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Pile MRS	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
450	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Small Arms Range II	Medium	Assessment	Hazard Undetermined	Ongoing DSMOA
451	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Stormwater and Sewage Systems	Medium	Response	Hazard Undetermined	Ongoing IRP
452	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Trap and Skeet Range MRS	Medium	Response	Hazard Undetermined	Ongoing DSMOA
453	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present	Ongoing IRP
454	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	Naval Magazine Lualualei (Waikele Branch)	Low	Assessment	Hazard Undetermined	Ongoing IRP
455	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele Burn Pit/Disposal Area	High	Response	Hazard Managed with Engineering Controls	Ongoing IRP
456	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, Contaminated Soil, Waipio	Medium	Assessment	Hazard Present	Ongoing IRP
457	Oahu	Navy, Naval Magazine Lualualei (West Loch Branch)	Waipahu Ash Landfill	Medium	Response	Hazard Present	Ongoing IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
<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>
458	Oahu	Navy, Naval Magazine Lualualei (West Loch Branch)	Low	Response	Hazard Undetermined	Ongoing	IRP
459	Oahu	Navy, Naval Magazine Pearl Harbor	High	Assessment	Hazard Present	Ongoing	MMRP
460	Oahu	Navy, NAVCAMS EASTPAC Opana	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
461	Oahu	Navy, NAVCAMS EASTPAC Radio Transmitting Facility Lualualei	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
462	Oahu	Navy, NCTAMS Pacific	Low	Assessment	Hazard Undetermined	Ongoing	IRP
463	Oahu	Navy, NCTAMS Pacific	Low	Assessment	Hazard Undetermined	Ongoing	IRP
464	Oahu	Navy, NCTAMS Pacific	NFA	Response	No Hazard	NFA	IRP
465	Oahu	Navy, NCTAMS Pacific	Medium	Assessment	Hazard Present	Ongoing	IRP
466	Oahu	Navy, NCTAMS Pacific	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
467	Oahu	Navy, NCTAMS Pacific	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
468	Oahu	Navy, Pacific Missile Range Facility	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
469	Oahu	Navy, Pearl Harbor Naval Complex	Low	Assessment	Hazard Undetermined	Ongoing	IRP
470	Oahu	Navy, Pearl Harbor Naval Complex	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
471	Oahu	Navy, Pearl Harbor Naval Complex	Low	Assessment	Hazard Undetermined	Inactive	DSMOA
472	Oahu	Navy, Pearl Harbor Naval Complex	Medium	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
473	Oahu	Navy, Pearl Harbor Naval Complex	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
474	Oahu	Navy, Pearl Harbor Naval Complex	Pearl City Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
475	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
476	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Base Subsurface Oil	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
477	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Flettragu Firetest Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
478	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
479	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Shipyard Building 68	Medium	Assessment	Hazard Undetermined	Inactive	IRP
480	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
481	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
482	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
483	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Public Works Center Gas Station	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
484	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor PWC Iroquois Point Housing	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
485	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Sediment Study	Medium	Response	Hazard Present Hazard Managed with Engineering Controls	Ongoing	IRP
486	Oahu	Navy, Pearl Harbor Naval Complex	PHFISC, Pearl City Peninsula Landfill	Medium	Response	Hazard Undetermined	Ongoing	IRP
487	Oahu	Navy, Pearl Harbor Naval Complex	PHNC Building 1333 UST	Low	Assessment	Hazard Undetermined	Ongoing	IRP
488	Oahu	Navy, Pearl Harbor Naval Complex	PHNC Pacific Division Naval Facility Engineering	Low	Assessment	Hazard Undetermined	Ongoing	IRP
489	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Aiea Laundry Building 436	High	Response	Hazard Present Hazard	Ongoing	IRP
490	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
491	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
492	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
493	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Hazard Undetermined	Ongoing IRP
494	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive IRP
495	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive IRP
496	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined	Inactive IRP
497	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined	Inactive IRP
498	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Building 289, Former UST NS-38	Low	Response	Hazard Undetermined	Inactive DSMOA
499	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Hazardous Substance Site	High	Response	Hazard Undetermined	Ongoing IRP
500	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island, Building 79	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
501	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Low	Response	Hazard Undetermined	Ongoing IRP
502	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing IRP
503	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449	Medium	Assessment	Hazard Present	Ongoing IRP
504	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Little Makalapa Naval Housing Area, Portion Radford Drive & Kamehameha Hwy	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
505	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Underwater Munitions NDSA	Low	Response	Hazard Present	Ongoing MMRP
506	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined	Inactive IRP
507	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST BP-1	Low	Assessment	Hazard Present	Ongoing IRP
508	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined	Inactive IRP
509	Oahu	Navy, Pearl Harbor Naval Complex	Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
510	Oahu	Navy, Pearl Harbor Naval Complex	USN Fleet Training Group	Low	Assessment	Hazard Undetermined	Ongoing DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020								
	<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>
511	Oahu	Navy, Pearl Harbor Naval Complex	USS Oklahoma PHNSY & IMF, Dry Docks	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
512	Oahu	Navy, Pearl Harbor Naval Shipyard	Subsurface Fuel and PCBs on Groundwater Site	Low	Assessment	Hazard Undetermined	Ongoing	IRP
513	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Present	Ongoing	IRP
514	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Storm/Sanitary Sewer Drain	Low	Assessment	Hazard Undetermined	Inactive	IRP
515	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
516	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined	Inactive	IRP
517	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined	Inactive	IRP
518	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST S932	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
519	Oahu	Navy, Public Works Center	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
520	Oahu	Navy, Public Works Center	PHPWC, Burn Area Near Pearl City Peninsula	Medium	Assessment	Hazard Present	Ongoing	IRP
521	Oahu	Navy, Public Works Center	PHPWC, Industrial Waste Treatment Plant	Medium	Response	Hazard Present	Ongoing	IRP
522	Oahu	Navy, Public Works Center	PHPWC, Makalapa Landfill Area PHPWC, Oil	Medium	Assessment	Hazard Present	Ongoing	IRP
523	Oahu	Navy, Public Works Center	Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined	Inactive	IRP
524	Oahu	Navy, Public Works Center	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined	Inactive	IRP
525	Oahu	Navy, Public Works Center	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined	Inactive	IRP
526	Oahu	Navy, Waipio Peninsula	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	High	Response	Hazard Managed with Engineering Controls	Ongoing	IRP
527	Palmyra Atoll	Army, Corps of Engineers	FUDS Palmyra Naval Aviation Facility (Palmyra Atoll)	Low	Assessment	Hazard Undetermined	Ongoing	FUDS

END OF REPORT