

**REPORT TO THE THIRTIETH LEGISLATURE
STATE OF HAWAII
2020**

**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
FY2019**

**PREPARED BY:
DEPARTMENT OF HEALTH
STATE OF HAWAII
DECEMBER 2019**

Blank Page

EXECUTIVE SUMMARY

REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND FOR FISCAL YEAR 2019

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 2019 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 FY2019.

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.

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, and 2019 state that the tax was levied on 4.8, 5.6, 5.8, and 7.9 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 FY2019 was \$1,338,592 which includes fossil fuel collections. Total revenue to the ERRF, including the ERT revenue, was \$1,869,212.

Budget and Expenditure

The 2018 legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency Response (HEER) Office. The state expended \$1,676,772 of the ERRF during FY19 for the four programs.

Environmental Response Tax Revenue Relatively Stable

The \$1.05 per barrel ERT revenue to DOH's environmental programs is relatively stable over the past five fiscal years. For fiscal years 2014, 2015, 2016, 2017, 2018, and 2019 ERT revenue was: \$1,239,739, \$1,236,065, \$1,287,966, \$1,266,898, \$1,290,770, and \$1,338,592 respectively. Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections.

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

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

Hawaii State Response Program Impacted by Federal Budget Cuts

Because ERRF funding does not fully support the state's response obligation, the HEER Office implements the environmental site identification, assessment, and cleanup program using combined ERRF, General Fund, and federal cooperative agreement funding. The United States Environmental Protection Agency's (EPA) budget cuts from 2011 to 2018 resulted in a net loss of \$430,650 to our EPA State Response Program (SRP) grant, reducing funding for both staff and program activities. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FFY2016 and FFY2017 annual allocation dropped to \$936,300, with an additional decrease in FFY2019 and FFY2020 to \$929,600. The smaller Preliminary Assessment/Site Investigation (PA/SI) grant which funds site discovery activities was cut from \$275,000 in 2013 to the 2015 allocation of \$223,000 but has been temporarily restored for FFY2019 and FFY2020 to \$275,000.

EPA has notified HEER that the grant allocations for FFY2021 may decrease due to a proposed change in the EPA allocation formula as well as changes in the administration.

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

The Hawaii State Response Program (HSRP) Site Lists

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

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

Secondly, the *FY2019 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 472 release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 331 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 715 active sites under direct DOH oversight in the various State programs. This includes 13 sites with known or suspected contamination that received No Further Action (NFA) determinations since the beginning of FY2019.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 501 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes nine sites with known or suspected contamination that received NFA determinations in FY2019.

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

EXECUTIVE SUMMARY

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: <https://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>

Blank Page

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 Thirtieth 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 FY2019, 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 FY20 appropriation amounts: The Hazard Evaluation and Emergency Response (HEER) Office \$1,363,895, Clean Water Branch (CWB) \$134,505, Safe Drinking Water Branch (SDWB) \$140,541, and Solid and Hazardous Waste Branch (SHWB) \$137,166 for a total FY2020 allocation of \$1,776,107. These FY 2020 allocations for CWB, SDWB and SHWB have dropped substantially compared with the FY2016 allocations, while the HEER allocation has increased from \$1,324,299 in FY2016.

For FY2019 the legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and the HEER Office.

For FY2019 the four programs expended \$1,676,772. The operational expenses were for emergency and non-emergency environmental response contractors, salary and fringe benefits, travel, response training, standby and overtime pay, legal services, and Tier II Fees distributed to the county LEPCs.

Fund Revenue

Revenue is generated in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs, and from the ERT at \$1.05 per barrel. Additional revenue also is generated from the 19-cent tax on each MMBtu of fossil fuels of which the ERRF is allocated 4.8 percent. The DOTAX Annual Reports for the fiscal years 2016, 2017, 2018, and 2019 state that the tax was levied on 4.8, 5.6, 5.8, and 7.9 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 six fiscal years is as follows: \$1,239,739 (2014), \$1,236,065 (2015), \$1,287,966 (2016), \$1,266,898 (2017), \$1,290,770 (2018), and \$1,338,592 (FY2019). 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 – FY2019

HTH 849 and HTH 840

ENVIRONMENTAL RESPONSE TAX	1,338,592
FEEs, FILING OF CHEMICAL INVENTORY FORMS	126,900
FEEs, VOLUNTARY RESPONSE ACTIONS	29,598
TREATMENT SERVICES	200
REFUND/REIMBURSEMENT OF PRIOR PERIOD EXPENDITURES	22
VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS	108,650
VIOLATIONS OF HAZARDOUS WASTE REGULATIONS	8,000
VIOLATION OF WATER POLLUTION REGULATIONS	196,550
VIOLATION OF SOLID WASTE REGULATIONS	41,300
VIOLATIONS-DEPOSIT BEVERAGE CONTAINER PROGRAM	400
COMMUNITY NOISE CONTROL	19,000
TOTAL	<u>1,869,212</u>

Environmental Response Revolving Fund Expenditure – FY2019

HTH 849 and HTH 840

PERSONNEL	143,690
OPERATIONS	1,533,082
EQUIPMENT	-
TOTAL	<u>1,676,772</u>

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

Environmental Response Revolving Fund (ERRF) HEP CRA Budget Report

In compliance with Chapter 128E, HRS, Hawaii Emergency Planning and Community Right-to-Know Act (HEPCRA), this annual report to the Thirtieth Legislature, State of Hawaii, 2020 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2019
- Amounts distributed during Fiscal Year 2019
- Projected collection for Fiscal Year 2020

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, 2019, there are 791 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 – FY2019

FY 2019 Amount Collected	\$126,900
FY 2019 Amount Distributed (FY 2017 Collected Fees)	\$64,300
FY 2020 Projection of Fees to be Collected	\$140,000

County	Funds Distributed to LEPCs	Number of Qualifying Facilities		
		Non-Military Facilities	Military Facilities	Total Facilities
Honolulu	\$20,466	358	30	388
Hawaii	\$10,640	186	4	190
Maui	\$7,766	136	3	139
Kauai	\$4,033	70	4	74
Total	\$42,905	750	41	791

Blank Page

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) and the EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreements, and the Department of Defense and State Memorandum of Agreement (DSMOA) Cooperative Agreement. Together, these federal programs provided over 26% of the HSRP funding in FY2018.

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

The HEER Office continues to receive funding from the EPA State Response Program (SRP) grant under Section 128(a) of the Small Business Liability Relief and Brownfields Revitalization Act (SBLRBRA) of 2002. This SRP grant provides crucial funds for staff salaries, capacity building, and program development activities. The SRP grant awards have been steadily declining from 2011. The SRP grant allocations for the past ten years

were \$1,164,542 (2011), \$1,053,911 (2012), \$980,850 (2013), \$980,850 (2014), \$980,850 (2015), \$936,300 (2016), \$936,300 (2017), \$1,106,300 (2018), \$1,236,900 (2019), and \$946,900 (2020). EPA has notified DOH to expect further cuts for the FY2021 grant cycle.

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

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

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

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

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

In FY2019, the state's reimbursement under DSMOA was \$537,717.

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 action. 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 2019, the HEER Office recovered \$29,598. The HEER Office mechanisms for cost recovery require charging billable staff time and expenses to the ERRF and include the following:

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

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

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

Emergency Response Action Expenditures: Money spent for responding to a chemical emergency is cost recoverable, only when expended from the ERRF. State On-Scene Coordinator's (SOSC's) 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.

Blank Page

HEER Office Emergency Preparedness and Response Key Actions

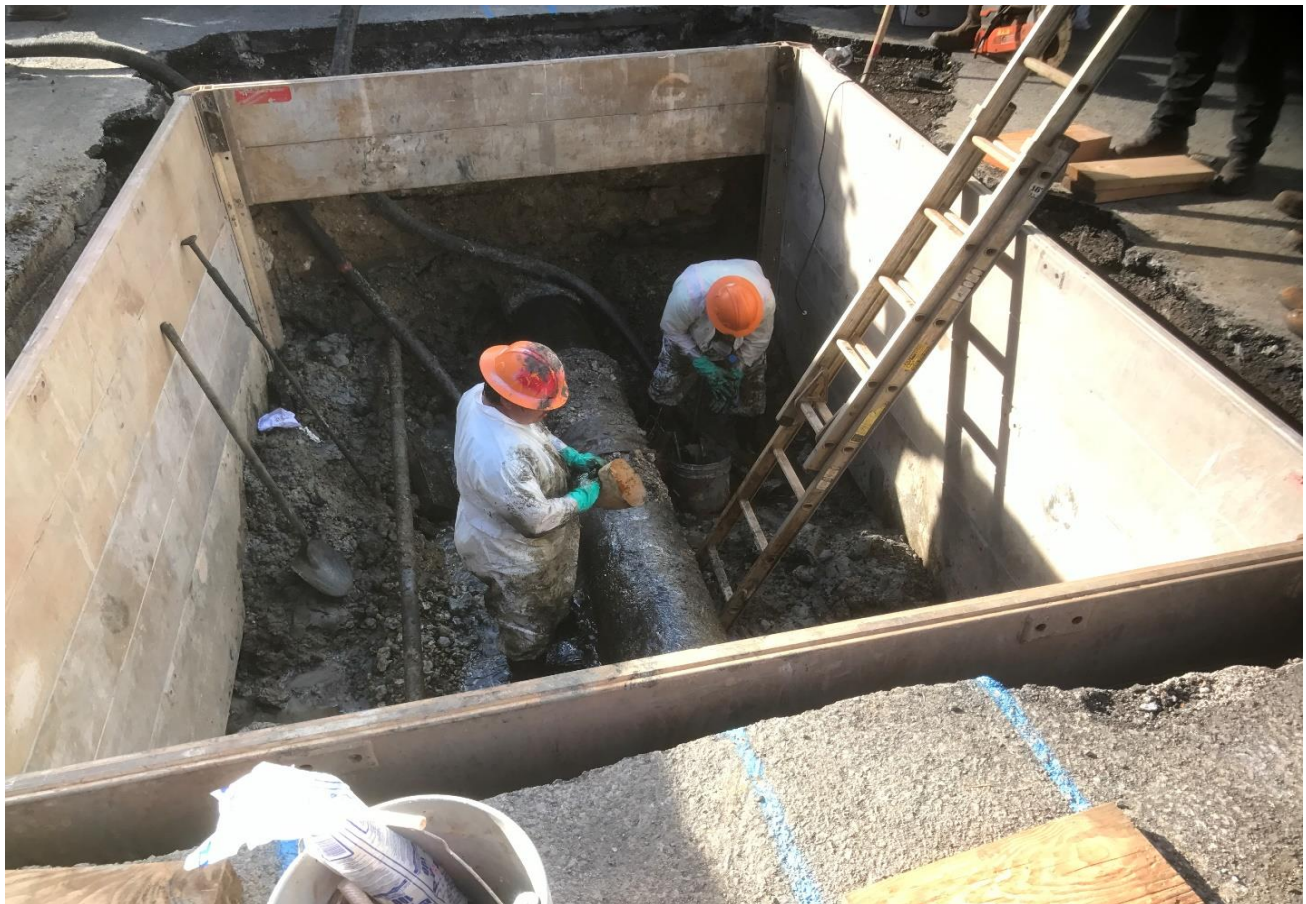
The HEER Office is responsible for planning, preparing for, and responding to releases of hazardous substances that may cause immediate and substantial threat to human health or the environment. This major area of responsibility is managed by General-funded State On-Scene Coordinators (SOSCs) trained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

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

In FY2019 HEER's SOSCs managed 472 release notifications and performed direct oversight on 211 of those cases.

Notable HEER Office responses during FY2019 include the following:

On July 3, 2018, a water main broke at the intersection of Nimitz Highway and Alakawa Street. While excavating, petroleum product was observed on the ground water. The contaminated ground water was pumped into containers while the water main was repaired.



THE HAWAII STATE RESPONSE PROGRAM

On July 11, 2018, remote air monitoring systems were established in response to the 2018 Puna Volcanic Eruption. The air monitoring stations were placed in various areas throughout the Puna District to measure volcanic emissions. The data from the air monitors was tied back to the Emergency Operations Center for the volcanic response. The air monitors continued to run constantly throughout the duration of the volcanic event.



THE HAWAII STATE RESPONSE PROGRAM

On October 18, 2018, approximately 300 gallons of fuel was release from a service tank from USS John Paul Jones in Pearl Harbor. Clean-up consisted of using about 78 bags filled with used sorbents, sweeps and boom; pumping approximately 2000 gallons of water/fuel into a vacuum truck, and over 8 drums of removed debris. In addition, approximately 7,000 gallons of fuel removed from the ship to a storage barge.



THE HAWAII STATE RESPONSE PROGRAM

Since February 2019, Emergency Preparedness and Response (EP&R) Section has been working with the Site Discovery and Assessment (SDAR) Section regarding high methane concentrations at two fuel terminals located along Nimitz Highway on Oahu. Island Energy Services Downstream (formerly Chevron Fuel Terminal) and at the former Shell Honolulu Fuel Distribution (currently Aloha Petroleum) are facilities that the HEER Office are currently working on.



On April 18, 2019, during a routine Customs inspection, crew from a 40 foot longliner F/V St. Peter were requested to step outside to the pier. One of the crews was cooking and inadvertently left a pot on the stove resulting in a fire.



THE HAWAII STATE RESPONSE PROGRAM

On May 10, 2019, an impounded vessel in the Ala Wai Small Boat Harbor began to sink and leak diesel fuel. Both a hard and soft boom were established to contain the spread of the fuel. Absorbent pads were used to take up the fuel on the water. Divers were used to remove the fuel from the tanks of the vessel. The boom and absorbent pads were changed out as needed until the vessel could be removed from the harbor. The HEER Office was successful in cost recovery against the Department of Land and Natural Resources for the response.



THE HAWAII STATE RESPONSE PROGRAM

On December 12, 2018, a private civilian tactical aircraft crashed into waters outside of Kaka’ako Waterfront Park shortly after takeoff. The pilot ejected and was rescued. The jet-powered aircraft, owned by Airborne Tactical Advantage Company, broke apart on impact and released 1,000 gallons of jet fuel. The aircraft sank in 300 feet of water. The fuselage was recovered by a private salvage company nearly a month later.



Blank Page

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.

Hazard Assessments, Recommendations and Public Engagement

During the eruption, DOH, US EPA and Hawaii County collaborated to establish an extensive air monitoring network that measured and recorded levels of sulfur dioxide (SO₂) and small particulate matter (PM_{2.5}). After the eruptive activity ceased, this data was stored and later analyzed by a team consisting of members from the HEER Office, DOH's Emergency Medical Services and Injury Prevention System Branch (EMSIPSB), the United States Geological Survey (USGS), and Oregon Health and Science University. Analysis of this extensive data set (over 14 million samples) revealed evidence of impaired air quality to residents of the southern and western parts of Hawaii Island. In addition, the data revealed that moderate to severe elevations in concentrations of sulfur dioxide were short in duration usually lasting shorter than 30 minutes. This finding added to the understanding that conditions were unstable and confirmed the belief that citizens must be able to react quickly to changing conditions. This re-enforced the idea that public awareness and education is the key to keeping people safe during a similar volcanic event. This data and associated conclusions were presented at two international toxicology scientific meetings in 2019

Quantifying the human health impact of the volcanic emissions is very difficult. HEER and EMSIPSB have partnered on two studies to try to further define the health impact of the volcanic emissions on the people of Hawaii. The first study intends to understand the burden of respiratory illness correlated with the emissions by obtaining data from IQVIA Government Solution, 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 respiratory impact. In addition, HEER and EMSIPSB are working to obtain Hospital records from Laulima Data Alliance. Using this data, we can compare emergency room and inpatient stays associated with respiratory condition to other years of lower emissions to evaluate for any increase during the eruption. This would help us understand the 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.

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. In FY2019, 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 102 public elementary schools and 231 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's Nearshore Environment and Potential Risks for Human Health through Fish Consumption

In FY2019, HEER began planning a study of PFAS contamination in Hawaii's nearshore environment and the potential risks to the people of Hawaii through fish consumption. PFAS 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, and a variety of industrial processes. Based on a risk analysis, the largest risk for people of Hawaii to be exposed to PFAS is through fish consumption. Currently, little is known about the burden of 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 begun work on a three-part study to evaluate the burden of PFAS contamination in the near shore environment.,

The study will consist 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.

Health Surveillance for Environmental Factors

In FY2018, staff provided risk assessment support and responded to a diversity of inquiries concerning potential health hazards. These inquiries included questions regarding heavy metals (mercury, lead, and arsenic), pesticides, indoor and outdoor air pollutants, and illnesses potentially related to the environment. Inquiries come from the public, the media and the medical community. In FY2019, HEER responded to over 60 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. A description of the Department's health surveillance system in 2007 is at: <http://hawaii.gov/health/about/legrpts2007/> in a report under HCR 76, HD 1, 2006. Using ERRF funding, the HEER

Office continued its actions to electronically acquire, manage, and analyze environmental surveillance data received from physicians and laboratories.

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

In October 2017, CDC funding revitalized the Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP) as a joint program of the HEER office and the Children with Special Health Needs Branch (CSHNB), with the Public Health Nursing Branch. HEER was able to hire a full-time epidemiology specialist for childhood lead activities using this funding. Together, the HI-CLPPP team is working to reduce children's exposure to lead by improving blood lead level surveillance, case management, guidelines for health care professionals, education, and linking families to needed services.

After recognizing the need for early action to protect children, the HEER office purchased an off the shelf web-based application, Consilience Software Inc.'s Maven, to coordinate and enhance surveillance of lead poisoning in Hawaii. In FY2017, HEER worked with the developer to design and implement the Maven lead model. In February 2018, Maven went live and is fully operational, receiving approximately 95% of all lead blood tests in Hawaii. These results are immediately reviewed and when children with very high lead levels are identified, public health nurses help the family minimize the child's exposure to lead. 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.

When needed, environmental investigations are also conducted for children with lead poisoning. In September 2019, HEER purchased an X-ray Fluorescence analyzer (XRF) that will be used to identify potential lead sources during the assessments. The XRF is instrumental in recognizing and removing lead hazards in children's homes.

For calendar year 2018, 16,539 children (≤ 6 years old) were tested for blood lead levels. One hundred and twenty-seven children had an elevated blood lead level between 5-9 $\mu\text{g}/\text{dL}$. Another thirty-three children had an elevated lead level of $\geq 10 \mu\text{g}/\text{dL}$. The percentage of children with a lead level $\geq 10 \mu\text{g}/\text{dL}$ was 0.20%, which is below the national level of 0.5%. Addresses of children with elevated lead levels have been provided to HUD funded programs in the City and County of Honolulu and

the neighbor islands to ensure that landlords receiving state or federal rental subsidies comply with lead-based paint requirements.

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). HEER is able to track children and adults with elevated levels of heavy metals including lead, arsenic, cadmium, mercury, and zinc, as well as abnormal markers of pesticide exposure using the lab results in Maven. Tracking these cases allows HEER to analyze the data for geographic and demographic trends and provide individual case management support to doctors and families.

In FY2019, 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 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.

HEER continued the 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 will allow HEER to access environmental illness trends and patterns that will provide the basis of population-based interventions and effective screening going forward. At the end of FY2019 the rule change process was close to completion with final approval from the Governor expected at the end of calendar year 2019.

The Hawaii State Legislature authorized a new Epidemiology position by Act 49, SLH 2017. The Epidemiologist II to be established, will develop, lead, and conduct epidemiological investigations to identify and investigate environmental health concerns by collecting, analyzing, interpreting, and reporting available health data to evaluate whether public health is being harmed. The HEER Office is in the midst of a re-organization to establish and recruit this position.

Statewide Pesticide Partnership Completes Fifth Year of Statewide Sampling

DOH and DOA established a statewide pesticide partnership in 2013-14 to identify and implement initiatives to address ongoing concerns from residents and communities on Kauai and elsewhere about potential pesticide exposures resulting from off target impacts of restricted and general use pesticide products in Hawaii. HEER provides technical, scientific and health advisory services to DOA to assess potential environmental and human exposures to pesticide residues resulting from use or misuse of pesticides. The primary focus areas to date have been environmental monitoring, health data reviews, coordination of rapid interagency responses to pesticide incidents and multi-faceted community engagement, including public health education and outreach.

Assessing Pesticides in Surface Waters Since the initial pilot surface water pilot project in 2013-14 between HEER, DOA and U.S. Geological Survey, which found widespread, low level detections of the herbicide atrazine associated with current and former sugar cane cultivation, the agencies have continued to work together to study pesticide occurrence in inland surface waters. The goal of these studies is to determine whether pesticides are moving off-target at unacceptable levels, and what land uses and other contributing factors appear to be associated with such detections. DOH contributed initial funding from the ERRF and led the 2013-14 Pilot Study and continues to provide technical and scientific guidance on study design, implementation and data interpretation.

FY 2017 Study Storm Water Sampling Detects More Pesticides, all below Regulatory Limits Results from FY17 (November 2016 – April 2017) were published in early 2018 for 31 sampling locations on Kauai and Oahu are posted on line at: <https://www.sciencebase.gov/catalog/item/5a5fda0de4b06e28e9bfc63a>

None of the samples exceeded state or federal regulatory limits. Two insecticides and one herbicide exceeded aquatic life benchmarks. 98% of all pesticides detected in the study represent trace concentrations at least 10 times lower than the lowest state or federal benchmark for human health and aquatic life. 26 of 31 locations had detections of one or more pesticides. The sample with the most detections was

taken during peak flow of a winter storm from Honouiluli Stream in central Oahu, with 33 detections of pesticides or their breakdown products.

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

Sampling Results for Maui, Big Island and Oahu sites expected in 2020 The Joint Funding Agreement between HDOA and USGS utilizes funds provided to DOA by the 2017 Legislature to continue statewide assessment of pesticide impacts on inland surface waters. . In FY2018 and FY19, sampling was expanded to the Big Island and Maui, (15 and 12 sites, respectively) as well as 15 sites on Oahu. The latest phase of the multi-year study includes more pesticides and breakdown products than earlier studies and includes both dry weather and storm water sampling to assess the relative impacts of dry and wet conditions on pesticide concentrations and transport in local waterways. Expected publication of results expected in 2020.

Collaborations on Public Health Education and Outreach

Technical and Risk Communication Assistance to the Department of Education (DOE) on safe management of contaminated soil hazards at DOE schools on the Big Island. In late 2017, DOE completed a study of soil contamination from lead paint, arsenic, and legacy pesticides at 23 schools on the East side of Hawaii island. HEER assisted with an overall and school specific environmental hazard management plans as well as the creation of fact sheets to aid in providing important information to teachers, staff, students and families at the affected schools. HEER assisted with the media outreach aimed at education regarding the contaminated soils. HEER also assisted DOE with guidance related to potential mold exposures at schools and other environmental health issues.

Hawaii Poison Center (HPC) The HPC operates a 24/7 hotline to assist residents and health care providers. DOH receives data from the HPC on the number and types of acute pesticide poisonings. The HPC is mandated by legislation and is under the auspices of the Hawaii State Emergency Medical Services and Injury Prevention System Branch. Annually, the center receives over 9,000 information and poisoning exposure calls from residents and health care providers throughout the state. Services are provided free of charge every day of the year, 24

hours a day by registered nurse specialists, pharmacists, and physicians specially trained in medical toxicology. The center is operated by the Rocky Mountain Poison Center, Denver, Colorado, an accredited regional poison center by the American Association of Poison Control Centers (AAPCC). The HPC toll-free number is 800-222-1222. As of March 2017, physicians may now report pesticide-related illnesses to the Hawaii Poison Center at 800-222-1222, who will inform DOH on the provider's behalf and provide 24/7 medical advice for management of suspected pesticide exposures.

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

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

Collaboration with the DOH Women, Infant and Children (WIC) program to update Hawaii specific fish consumption guidance for pregnant women, nursing mothers, and young children. With new information from local and national sources, HEER and WIC were able to update the brochure "A Local Guide to Eating Fish Safely." With the help of the DOH Communications Office, the brochure was updated in both content and graphics, designed to help consumers make healthy choices related to fish consumption. A copy of the updated 2019 guidance can be found here: <http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/technical-guidance-and-fact-sheets>

HEER Guidance and Training

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

from Hawaii and the US mainland was presented and later recorded and posted to the HEER YouTube webpage.

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

Chinese Academy of Sciences Dr. Roger Brewer, a toxicologist and environmental scientist with the HEER Office, took a six-month leave-of-absence from December 2017 to May 2018 to work with the Chinese Academy of Sciences in Nanjing, China. Representatives from the Academy of Sciences had met Dr. Brewer at an environmental conference in California and were impressed with Hawaii's guidance for the expedited and more reliable investigation and cleanup of contaminated

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

Throughout the year, Dr. Brewer continued his collaborations on expertise from Hawaii and China to further large-scale environmental goals for both places.

Dr. Brewer returned to China in late 2019 to assist with completion of the Chinese National Sampling Guidance in both mandarin and English. Lessons learned from this collaborative work with environmental experts in China will be incorporated into future updates of the HEER Office guidance documents. China is emerging as a world expert in the restoration of damaged agricultural lands. This experience could prove useful to supplement Hawaii's own expertise in agriculture as well as optimization of dwindling agricultural lands across the islands.

Blank Page

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

Continued Re-development of Contaminated Properties

As the movement towards re-development of properties for housing across the State increases, the HEER Office continues to invest heavily in investigations of older regions of Oahu and the neighbor islands that have been targeted. For FY2019, 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, 1532 state sites have been identified and investigated by the section. 783 sites received NFA determinations. Of these, 362 sites have been addressed and have no ongoing oversight requirements, another 394 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 2019, 141 new state sites were added due to both active site discovery efforts and statewide redevelopment activities. 13 sites were given a no further action letter, including 10 sites which require ongoing institutional controls to manage residual risks. At the end of FY 2019, 702 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, 1059 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. 581 sites received NFA determinations. Of these, 202 sites have been addressed and have no ongoing oversight requirements and another 379 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2019, 39 new sites were added to the DSMOA program. 9 sites received NFA determinations, including five sites that require long term controls to manage residual contamination. 492 military sites remain open at the end of FY 2019 under active oversight and are being remediated or assessed for future action.

Responsible Party Cooperation

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

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

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

Voluntary Response Program Key Oversight

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

Past, current or future property owners can participate in this program, but exemptions from liability can only be given to future purchasers or tenants. Completion of the voluntary cleanup action is accompanied by a Letter of Completion (LOC) issued by the Department of Health and noted on the property deed. The most recent LOC was issued for the Waialua Sugar Mill site on the North Shore of Oahu in December 2018. To date, 33 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 three sites withdraw from the program.

In May 2019 the HEER Office received the first new application to participate in the VRP since 2012. This application was approved and a new VRP Agreement was signed in June 2019. Several other property owners and prospective purchasers have also expressed interest in participating in the program. With the addition of the new site in June, there were five active VRP sites in the program. Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities. 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 may require additional coordination and oversight by the HEER Office to ensure compliance with LOC restrictions.

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.

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 2019 by the EPA.

Since 2007, the HEER Office Site Discovery program has investigated 104 sites statewide of which 44 sites required no further action based on initial assessment sampling and detailed historical reviews. 50 sites require further investigation. In 2018-19, eight additional sites were added. Seven sites were related to herbicide operations. One site is related to vermiculite processing and asbestos contamination.

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 Expands to Urban Redevelopment

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.

Hawaii's Unique Challenges

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

Unfortunately, limited available land for dedicated disposal facilities and the economics of transporting remedial equipment and waste across the Pacific constrain feasibility of both disposal and treatment options.

As a result, Hawaii has relied on risk-based closures and on-site management of contamination for many sites as these are frequently much more feasible alternatives to implement. However, especially in the face of rapid land use changed redevelopment, Hawaii is facing the

challenge on how to effectively control and how to keep the engineering and institutional controls in place over long periods and changing uses, and control soil export from those sites

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. At the same time the HEER Office continues to raise awareness on the construction worker level by providing Contaminant Awareness Training. Lastly, the HEER Office is preparing a template for a C-EHMP to help contractors to develop EHMPs appropriate for construction oversight. This is expected to result in expedited, more appropriate, and cost-effective preparation of C-EHMPs and reduce HEER staff review time. The completion of the C-EHMP template is expected in the early next FY.

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, the HEER Office expended efforts in tracking sites and adherence to engineering and institutional controls in EHMPs via a commercial tracking platform (Terradex Dig Clean) which tracks planned constructions at, or near, HEER remediation sites and notifies the contractor of the presence of contamination on site and associated EHMPs that need to be adhered to during construction. At the same time, the HEER Office is alerted of the planned construction activity to enable tracking and intervention if needed.

At the same time, the HEER Office is linking to the HDOH Clean Water Branch NPDES permit applications for

construction to enable an early awareness of upcoming constructions on the islands.

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 FY2019, construction continued at stations in the five westernmost areas of the project, and along Kamehameha Highway. 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
A valuable partnership has arisen this year between HDOH and the Hawaii Department of Transportation, Airports Division (HDOT). In December 2018, HART contractors identified evidence of a solvent plume on

airport property in the vicinity of station construction. Work in that area stopped while HART devised a strategy for identifying the extent of contamination within their construction area and developed a Construction EHMP to allow them to safely manage the materials generated during construction. 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

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 rails stations and it is highly beneficial to investigate and remediate these properties before the public private partnership (P3) contractor develops the site.

In FY 2019, HART also began attending regular status conferences between HART and a large property owner. There is an agreement between HART and the property owners stating that the owners will investigate and remediate the property and then relinquish ownership to HART. The property in question is key to a large parking structure and new highway access ramps near the Rail Operations Center. Although HDOH had been working directly with the property owner since November 2014 with the goal of closing the site, characterization and remediation kept stalling. In FY2019, we were finally able to close one portion of the site and anticipate closing the other three portions of the property before the end of the year. This will lower financial risk for the future P3 contractor.

Looking Ahead Rail Oversight with new P3 Contract

Next fiscal year, the final P3 bid will be accepted. Since the P3 contract puts more responsibility for performance on the selected contractor, HDOH strives to determine how the Voluntary Oversight Agreement with HART will be affected and how the Programmatic EHE-EHMP will be implemented under the new type of contract. In the hopes of a smooth transition, we have already begun discussions with HART. HDOH will continue to push to meet with the selected subcontractor soon after selection and long before mobilization for the next phase of construction.

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 has continued to be actively engaged in public outreach in the affected communities and with State and local authorities to inform the people of the hazards of UXO. The HEER Office also continues to partner with Federal, State and local entities to design signage that incorporates historic, cultural, and safety messages at high profile public venues like Hapuna Beach, 'Ahihi Kina'u, and Maunawili Trail.

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.

In March 2019, the HEER Office finalized its areawide UXO EHMP for the Waikoloa Maneuver Area (AEHMP) and 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.

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.

The HEER Office reviewed 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 .

High Priority State Sites

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

Kapalama Container Yard Development

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

Factory Street

The Factory Street Lead Site is a site with significant historic lead contamination located in a mixed residential/industrial area. It was initially cleared by US EPA in an emergency response action in the 1990's when the highest concentrations of lead were excavated, and residual contamination was paved over to prevent exposure to residents and workers. The street (including the shoulder area) is a property with unknown ownership

and therefore questionable assignment of responsibility for maintenance.

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 assessment was presented to the public via the Kalihi Neighborhood meeting and notices to owners and residents in the assessment area. 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 and 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.

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. The private properties near the areas with the highest identified concentrations were investigated this FY by private parties, but the private properties were not identified as source areas and were not held responsible for the contamination in the roadway. 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. Discussions with the EPA on how and when to conduct the remedy are ongoing.

Radford High School Track & Field and Makalapa Elementary School

The Remedial Investigation on the Makalapa campus and uninvestigated areas on the Radford campus by the US Army Corps of Engineers (USACE) to determine the nature and extent of the buried debris is complete and a report of its findings along with a feasibility study outlining the remedial alternatives should be ready by the end of 2019. 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 FY19, 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 specified. Construction of the building is ongoing, and the soil vapor barrier is currently being installed. A plan to complete characterization outside of the building footprint has been approved by the HEER Office and will be implemented once the area has been properly graded.

Iwilei Areawide Contamination

Because of extensive historic petroleum contamination in subsurface soils dating back to territorial days, Honolulu Harbor remains one of HEER's top priorities. Work is underway at a number of high priority sites, including:

BHP GASCO Benzene Site/Dole Cannery Building Site, Oahu

The 616 Iwilei site has completed active remediation and has been re-developed into a warehouse. The soil vapor extraction (SVE) system for the Dole Cannery Building has been re-located. The remedial alternatives analysis has been put on hold with the SVE system serving as an interim measure to ensure tenant safety. Groundwater Monitoring is currently conducted on a semi-annual basis

to monitor for potential rebound after In-Situ Chemical Oxidation (ISCO) has been discontinued and the system is back to anaerobic conditions. Indoor air and sub slab data have been collected for the Dole Cannery. The SVE system is currently run at a frequency of every two weeks. Future monitoring events will be combined for Gasco and Dole Cannery. Large volume purge samples will be collected from both sites for more representative vapor monitoring.

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. 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 slated for redevelopment as a FEDEX station. Zippy's in OU3 has decided to prepare its own EHMP.

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 Naval Complex (PHNC)

\$49.3 Million Remedy Selected to Remediate Pearl Harbor Sediments, PHNC

After years of close regulatory engagement and collaborative effort, the Final Record of Decision for the Pearl Harbor Sediments was signed in September 2018. In May 2019, the Navy submitted the under-pier Treatability Study (TS) in SE-1 to evaluate the effectiveness of activated carbon amendment to address PCB contamination in areas not accessible to dredging or other mechanical removal means.

The 100% Design Package (dated October 2019), including activated carbon treatment, was submitted for review by the internal Navy technical team, legal, and regulatory partners and is expected to be finalized early in FY20.

History of the Sediment Investigations

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

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

SE-1 (Southeast Loch) - Focused Dredging with Enhanced Natural Recovery (ENR), Activated Carbon (AC), and Monitored Natural Recovery (MNR) (20 years)
N-2 (Oscar 1 and 2 Piers Shoreline) - ENR with MNR (10 years)

N-3 (Off Ford Island Landfill and Camel Refurbishing Area) - ENR

N-4 (Bishop Point) - ENR

E-2 (Off Waiau Power Plant) - Focused Dredging with MNR (10 years)

E-3 (Aiea Bay) - MNR (10 Years)

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

The 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.

Former Aiea Laundry Facility, PHNC

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

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

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

The impact to groundwater is within an acceptable risk range and contamination is being attenuated naturally in the environment. No remedy is necessary to protect human health and the environment since the groundwater is non-potable, detected contamination is at levels that do not pose an ecological risk, and the human health risk assessment did not identify any unacceptable risks to current or future receptors. Groundwater data show that contaminants are being degraded onsite. Groundwater monitoring will be conducted periodically to confirm that the reduction in contaminant concentrations continues. Risks associated with soil gas is acceptable at the site and off-site areas (i.e., St. Elizabeth Church and School). Based on the Treatability Study, the soil vapor extraction system is effective in managing the contaminant migration toward the St. Elizabeth Church and School and is reducing contaminant mass in both the Laundry Area and the Backyard Area. Further action was recommended to address soil vapor at the Laundry Area and the Backyard Area for potentially unacceptable risk to a future hypothetical residential scenario should vapor intrusion occur. The preferred remedial alternative, identified in the Feasibility Study evaluation and to be presented for public comment in a Proposed Plan and Restoration Advisory Board meeting, is Targeted Soil Vapor Extraction, Monitoring, and LUCs. The Remedial Investigation/Feasibility Study was finalized in Sept 2017. The Draft Proposed Plan (dated June 2018) was reviewed by the internal Navy technical team, legal, and regulatory partners in mid-2018.

Naval Computer and Telecommunications Area Master Station (NCTAMS)

A draft Five-Year CERCLA Review of NCTAMS is currently under review. The draft Five-Year review was submitted in August of 2019 and is currently under review. Regarding the East Gulch Disposal Area, the Proposed Plan (PP) was finalized in June 2019 and the draft Record of Decision (ROD) was submitted in July 2019. The final ROD is expected in FY2020.

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

On November 5, 2018, the Old NRTF was inspected by the Navy's contractor, AECOM as part of the first five-year review of the remedy selected for Old NRTF Landfill site. There were no significant issues identified that affects the Landfill's current or future protectiveness. The land use has not changed and is not expected to

change in the near future. No new exposure pathways or receptors have been identified. There was no evidence of intrusive activities or soil disturbance. The buried waste is still contained in place. The evapo-transpirative cap remains intact. Its remedy is functioning as intended by the ROD.

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

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

A Remedial Action Work Plan (RAWP) to implement the selected remedy was reviewed by HDOH in February of 2018 and the final Record of Decision (ROD) was completed and signed in March 2018. The draft Remedial Action Completion Report (RACR) for the Old NRTF Landfill was submitted by the Navy for HDOH's review in August 2018. The RACR was reviewed by HDOH that same month. It documents the implementation of the remedy at the Old NRTF Landfill while the RAWP documents the activities and inspection/monitoring requirements that will maintain the LUCs.

Military Sites with RODs/DDs/PP

1. JBPHH, Lualualei Annex, Old NRTF Landfill (ROD finalized)
2. JBPHH, Lualualei Annex, Old Coral Pit (Final ROD signed in September 2018)
3. JBPHH, Pearl Harbor Sediment (Final ROD signed in September 2018)
4. JBPHH, PHNC, Underwater Munitions NDSA (Final ROD to be signed November 2019)
5. JBPHH, Bishop Point, Area Near Former Underground Storage Tank BP-1 (draft ROD reviewed)
6. Former NAS Barbers Point, Ordy Pond (DD finalized)
7. JBPHH, Shipyard Geographic Study Area, Area North of Building 1754
8. NCTAMS PAC, East Gulch (PP finalized)
9. NCTAMS PAC, East Gulch (draft ROD reviewed)
10. Barbers Point, Sanitary Landfill (draft DD reviewed)

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 was created by coral dredge filling. This site was used mainly to store construction and building materials such as metal rebar, pipes, concrete, and wood but transformers and waste drums were stored here as well.

As part of an ongoing CERCLA investigation for the Salvage Yard Site (Salvage Yard, the boat storage area, the wetlands, and the near shore sediments adjacent to the wetlands), fish and sediment sampling was conducted at the Fuel Pier and Marina Area. Preliminary results showed that PCBs were detected above the EPA and the HDOH screening values, indicated that health risks might exist and therefore, further investigation is required. The Navy is preparing a draft supplemental sampling work plan for the Salvage Yard to address

further investigation and delineation of PCB-impacted soil, sediment, and fish tissue. The additional sampling data will also help in completing a risk assessment to evaluate possible impact to human health and the environment and to determine whether a long-term Fish Advisory is necessary.

In the interim, HDOH has issued an Interim Fish Advisory 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.

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

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 for HDOH review is expected in January 2019.

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 FUDS projects. During the past year, work was performed in the following areas: Sector 15, Sector 16, Sector 17, Area BOQJ-Cleared, Area A/G, Area F, Area M, Area N, and Area P.

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

Additionally, the current technology used is incapable of identifying 100% of the unexploded ordnance (UXO) for removal and disposal, therefore, even previously “cleared” sites have a residual risk of UXO exposure. In 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.

Last year, 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.

This year USACE completed investigations of the six sites prioritized for affordable housing. In September 2018, HEER Office staff assisted USACE to evacuate the community around the existing Ke Kumu Affordable Housing Development in Waikoloa Village so that USACE contractors could investigate and remove munitions and explosives of concern from the housing development.

As of June 2019, the HEER Office issued Conditional No Further Action with Institutional Controls (NFA w/ICs) to three of the sites planned for affordable housing

developments. The HEER Office anticipates issuing Conditional NFA w/ICs letter for the two existing affordable housing developments by December 2019. The Conditional NFA w/ICs letter meets HUD requirements to free up necessary federal funds. 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.

Based on these discoveries, the HEER Office has asked USACE to develop a plan to re-assess the 29,000 acres of land in the Waikoloa Maneuver Area by conducting Post Remediation Verification investigations. The HEER Office also plans to begin 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.

Following the clearance of the parceled-out areas, the County approached the HEER Office to request assistance in clearing an additional 175 acres of land in Waikoloa Village for additional affordable housing. The HEER Office has begun working with USACE to prioritize and “parcel out” this additional area as well.

In early 2019, the HEER Office also 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.

USACE also began planning Remedial Actions around the town of Waimea and Kawaihae Road (in Area BOQJ-Cleared) that includes portions of the DHHL-owned, proposed Lalamilo Phase 2 Housing Development, in addition to continued Remedial Action work in Area M, Area N, and Sector 17. During 2018-2019, the HEER Office has been assisting USACE in their interactions with the community and DHHL to ensure that they will have access to the properties. The HEER Office has also requested that USACE perform Post Remediation Verification on the previously cleared areas of BOQJ, including Lalamilo. USACE's contractor plans to use new Advanced Geophysical Classification (AGC) technology to investigate some portions of Area BOQJ. 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, Area N and Sector 17 are being conducted using traditional "mag and dig" technologies.

And finally, throughout the first half of 2019, the HEER Office assisted USACE in negotiating with members of four housing communities in the Hapuna Prince Resort portion of Area N to provide access to complete the investigation of this site. This culminated in completing the remedial action of the previously uninvestigated portions of the site in June 2019, when HEER Office staff again assisted USACE in evacuating residents to ensure public safety during the investigation and removal of munitions and explosives of concern.

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 in the course of constructing a fence on the property. The HEER Office has not yet received a

response from the US Army Garrison. The HEER Office sent a letter from the Director of Health to the Army's Director for Munitions and Chemical Matters in Washington, D.C. requesting a swift response. 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. The HEER Office assisted USACE in procuring a boat and placing Quality Control "seeds" prior to the investigation. The HEER Office is continuing to oversee this project which was scheduled to be completed by the end of the summer of 2019.

He'eia Kea

In July 2019, the HEER Office provided USACE with comments on the recently completed 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 was planning to begin a Remedial Investigation of this site in the spring/summer of 2019. During the site visit, HEER Office regulators requested that the total area to be investigated be expanded to include all the previously leased land area, not just the target area. USACE contractors have proposed to use 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 has 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 UXO that were described by the dive tour operator. In November 2018, Navy divers investigated the items and confirmed two UXO 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 UXO using “low order” detonation procedures in the summer of 2019 (following the end of the whale season). However, DLNR has 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 UXO 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. The HEER Office is continuing to work with DLNR, USACE, and the Navy to come up with a plan to address this problem.

Public Outreach and Interim Risk Management (IRM) Education

Throughout the year, the HEER Office participated in well over a dozen Public Outreach events sponsored by the US Army Corps of Engineers on Hawaii Island. These outreach programs are conducted at elementary schools as well as public events (such as festivals and farmers’

markets) where the US Army Corps of Engineers spreads their “3Rs of UXO Safety: Recognize, Retreat, and Report” message. The HDOH presence at these events reinforces the message to the public that the State of Hawaii and the Department of Defense are working together for their safety. The HEER Office has also been working with the US Army Corps of Engineers’ IRM group on Maui and Oahu, to help design signage and work with the County governments and other stakeholders to determine the optimal placement of signs to communicate the 3Rs safety message.

In September 2019, the HEER Office also helped USACE’s IRM group organize outreach at a local fishing tournament in Waimanalo to spread awareness about underwater UXO in the areas around Rabbit Island. With the introduction of the AEHMP guidance for UXO in the Waikoloa Maneuver Area in March 2019, the HEER Office also plans to conduct its own outreach to inform the public about ‘residual risk’ from UXO in the Waikoloa/Waimea 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 additional tests of the technology in Area BOQJ-Cleared in the Waikoloa Maneuver Area and at Papohaku Ranchland on Molokai in the next year. This technology is promising because it is capable identifying buried UXO items without having to dig them up, by comparing the electromagnetic signal measurements to a library of measurements from known objects. The technology is designed to save money on projects by reducing the number of digs at a site. However, AGC has limited applications in areas of dense metallic debris, difficult terrain, and soil with high iron content – all of which are often found at Hawaii MMRP sites. In 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.

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 2018, HEER Office provided technical support to the following Brownfields grants awardees:

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

Neighbor Island Brownfields Workshops

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.

On July 10 and 12, 2018, DOH hosted our first Kauai County and Maui County Brownfields. Mr. George Costa, Director for Office of Economic Development gave the welcome address for Kauai County and Mayor Alan Arakawa for Maui County. Both workshops were a big success and well attended by Counties elected officials and employees, state, private and non-profit organizations. EPA Region 9 Brownfields Coordinator and Center for Creative Land Recycling presented various EPA Brownfields Grants available for state, counties, non-profit, and private landowners and developers for assessment and cleanup of contaminated sites. Several contaminated and potentially contaminated sites were identified and prioritized for EPA Brownfields grants applications for the next Brownfields Grant cycle.



Above: First Kauai County Brownfields Workshop, July 10, 2018.

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

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

National Engagement on Environmental Policy Issues

In December 2018, the HEER Office provided a member to the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) Remediation and Reuse Focus Group to represent EPA Region 9. The primary activity of the group this year was to prepare an Updated ASTSWM position Paper on Federal Facilities outlining the States' expectations when dealing with Federal Agencies at Federal sites. The Focus Group has also provided a forum for discussing other issues the State has had in dealing with federal government

THE HAWAII STATE RESPONSE PROGRAM

agencies such as the Department of Defense and learning about how other states address similar problems.

Solid and Hazardous Waste Branch (SHWB) Waste Management Protection

ERRF funding was appropriated to Solid and Hazard Waste Branch (SHWB) for operational costs. In FY2018 and FY19, ERRF funding was expended to hire expert consultants to assist the department with complex technical decision making.

Red Hill Fuel Storage Facility Administrative Order on Consent

The Red Hill Bulk Fuel Storage Facility (Facility) is the largest underground storage tank farm in the United States. Built in the 1940's deep inside the Red Hill volcanic formation, this Facility is comprised of 20 steel lined concrete tanks that hold up to 12.5 M gallons of fuel each.

In response to the 27,000-gallon release of jet fuel from the Facility in 2014, the Navy and the Defense Logistics Agency (DLA) entered into an Administrative Order on Consent with the EPA and Department of Health, agreeing to an extensive scope of work (SOW) with regards to studies and improvements to prevent future releases at the Facility.

The EPA and DOH provide direct oversight of the work prescribed under the SOW which includes evaluations of tank inspection and maintenance procedures, selection of tank upgrades options, approval of release detection methods, implementation of release response and environmental investigation activities, and risk analysis at the Facility. Because of the highly technical nature of the deliverables and complexity of the underground volcanic geology, ERRF funding is used strategically to hire expert consultants to assist with complex technical decision making on the pro oversight of the Navy and DLA's performance under the AOC.

Cost Recovery for AOC Oversight Expenses

Negotiations for cost recovery of state expenditures on the Red Hill project began in FY18, and agreement on initial reimbursement was reached in FY19. The Navy has agreed to reimburse DOH \$232,697 for DOH-contractor expenses incurred during the 2018 calendar year. The exact distribution and reimbursement back to the ERRF is currently being calculated but repayment is expected by close of CY2019.

128D RESPONSE PROGRAM SITE LISTS 2019

Blank Page

Sites Eligible for Possible Listing Under CERCLA

Three Hawaii sites are listed on the EPA National Priority List (NPL). Costs for site investigation and cleanup are being borne by the responsible parties. The state is not obligated to contribute to cleanup or future operation and maintenance costs. Through the EPA Preliminary Assessment/Site Inspection (PA/SI) Program, nine additional sites have been identified for possible listing under CERCLA.

<u>List of EPA NPL Sites - FY2019</u>			
	<u>Island</u>	<u>Locality</u>	<u>Facility/Site Name</u>
1	Oahu	Kunia	Del Monte Corp (Oahu Plantation)
2	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMSPAC Center Street
3	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Complex

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

<u>List of Sites Eligible for Possible Listing Under EPA CERCLA - FY2019</u>			
	<u>Island</u>	<u>Locality</u>	<u>Facility/Site Name</u>
1	Oahu	Waialua	Waialua Sugar Company Inc and Waialua Sugar Mill Settling Ponds
2	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

Blank Page

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 FY2019 Release Notification Log lists 472 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 331 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 211 cases requiring on-site visits or off-scene coordination. 81 cases were referred to other agencies.

HEER Office Emergency Response Actions - FY2019

<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>
472	331	141	On-site: 27 Off-site: 184	To HEER SDAR: 21 To Other Agencies: 60

Blank Page

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
1	Oahu	Unknown Compressed Gas Cylinder that washed ashore	20180701-1228	Compressed Gas Cylinder	Sand
2	Oahu	NAVFAC HI Oil Bilge Water Pipeline leak	20180702-0803	Oily Water Mixture	Ocean
3	Oahu	Water Main Break at Nimitz and Alakawa	20180703-0155	Oil	Ocean
4	Oahu	Grounded Sea Goddess at Reef Runway	20180704-0146	Diesel Oil/Marine Gas Oil	Ocean
5	Oahu	Sheen From Abandoned Boat	20180706-0948	Unknown	Ocean
6	Oahu	Spill from Hose at Pearl Harbor	20180706-0951	Oily Water Mixture	Storm Drain
7	Oahu	Leaking Transformer on Schofield, Bld. #784	20180706-1512	Mineral Oil/Transformer Oil	Soil
8	Molokai	5-gallon bucket that washed ashore	20180706-1520	Solid Waste	Sand
9	Oahu	Vessel Sinking off Koolina	20180707-2322	Oil	Ocean
10	Oahu	Less than 1 ml of oil in water from Pride of America	20180707-2325	Hydraulic Oil	Ocean
11	Oahu	1996 Chevron Pipeline Oil Spill	20180708-0812	Oil	Lake
12	Oahu	USS Carl Vinson rain-water runoff from flight deck, Pearl Harbor	20180709-0925	Oil	Ocean
13	Oahu	HECO's triple-phase transformers fell @ Lenox Metals	20180709-1835	Vegetable Oil/Transformer Oil	Asphalt
14	Oahu	Hertz Rental diesel spill Kapolei yard	20180711-0835	Diesel Oil/Marine Gas Oil	Concrete
15	Oahu	21' boat sank in Kalaeloa Harbor creating a sheen	20180712-1429	Oil	Ocean
16	Oahu	Pleasure Craft Sequence Sinking	20180718-0810	Diesel Oil/Marine Gas Oil, Oil	Ocean
17	Maui	DIMETHOATE 400 EPA REG. NO. 34704-207 Application on Soil to kill Bamboo	20180718-0900	Liquid	Soil
18	Oahu	Navy dive boat diesel spill Pearl Harbor	20180718-0922	Diesel Oil/Marine Gas Oil	Ocean
19	Hawaii	Abandoned plastic drum	20180718-1236	Acetone, Container	Soil
20	Oahu	HECO Transformer 47212 release	20180719-0742	Mineral Oil/Transformer Oil	Soil
21	Oahu	Colored pinkish water	20180719-0932	Unknown	Stream
22	Oahu	Suspected Methamphetamine contamination at apartment	20180719-1005	Liquid	Within Facility
23	Oahu	PAR Refinery fuel gas release	20180720-1425	LNG/LPG	Air
24	Oahu	Lei Aloha vessel sheen, Ala Wai Boat Harbor slip 67	20180720-1446	Unknown	Ocean
25	Oahu	Vessel MeleKai Sinking	20180722-0740	Diesel Oil/Marine Gas Oil	Ocean
26	Oahu	Paint Spill from USS Portland	20180723-0745	Liquid	Ocean
27	Oahu	Unknown Sheen from an Unknown Source	20180723-0747	Unknown	Ocean
28	Molokai	Potential Spill Due to Vessel Ran Aground	20180723-0748	Diesel Oil/Marine Gas Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
29	Oahu	Sheen under Pier B1 Pearl Harbor	20180723-1108	Unknown	Ocean
30	Oahu	Sheen Coming from Ala Wai Boat Harbor, Pier 521	20180724-1956	Unknown	Ocean
31	Oahu	Fuel Spill from UPS Plane	20180727-0910	Jet Fuel/Kerosene	Concrete
32	Niihau	Grounded Vessel Near Niihau	20180727-1108	Diesel Oil/Marine Gas Oil	Ocean
33	Oahu	Illegal dumping of 5-gallon containers	20180727-1250	Oil	Soil
34	Hawaii	Unknown Substance on the roadway	20180727-1413	Liquid	Asphalt
35	Oahu	Unknown Sheen from Ala Wai Boat Harbor	20180727-1537	Unknown	Ocean
36	Kauai	Potential Spill from Vessel that Took on Water	20180730-0745	Diesel Oil/Marine Gas Oil	Ocean
37	Oahu	Abandoned acetylene cylinder Ewa Beach	20180731-1739	Compressed Gas Cylinder	Soil
38	Oahu	Dinner cruise boat "Kuhio" spilled diesel	20180731-1933	Diesel Oil/Marine Gas Oil	Ocean
39	Kauai	Lihue airport fuel terminal jet fuel overfill	20180804-1921	Jet Fuel/Kerosene	Within Facility
40	Oahu	Diesel spill @ C/C Middle Street Transfer station	20180806-0719	Diesel Oil/Marine Gas Oil	Storm Drain
41	Oahu	Kahala Surf Jet fuel release	20180811-0347	Aviation Gasoline	Concrete
42	Oahu	Oil spill from a personal vehicle oil change	20180811-2109	Lube Oil/Motor Oil	Storm Drain
43	Oahu	Boat on Fire in the Ala Wai Boat Harbor	20180813-2145	Diesel Oil/Marine Gas Oil	Ocean
44	Oahu	Potential Release on a Matson Vessel	20180814-0918	Ammonia	Air
45	Oahu	Iroquois Point Vessel Spill	20180814-0936	Fuel Oil	Ocean
46	Oahu	Bilge Water onto Soil at Joint Base	20180814-1140	Oily Water Mixture	Soil
47	Oahu	Possible discharge From a Sinking Vessel	20180820-0652	Gasoline	Ocean
48	Hawaii	Hurricane Lane	20180821-0000	Oil	Air
49	Oahu	HFD Station 9 diesel spill	20180821-1143	Diesel Oil/Marine Gas Oil	Concrete
50	Hawaii	HELCO catch-all release notification number for all incidents related to Hurricane Lane	20180822-0000	Mineral Oil/Transformer Oil	Asphalt
51	Oahu	Florescence dye leaking from C/C trash truck Hawaii Kai	20180822-0910	Liquid	Asphalt
52	Maui	MECO catch-all release notification number for all incidents related to Hurricane Lane	20180823-0000	Mineral Oil/Transformer Oil	Asphalt
53	Oahu	PAR Hawaii Emergency Shut Down for Hurricane Lane	20180823-1012	Sulfur dioxide	Air
54	Oahu	HECO catch-all release notification number for all incidents related to Hurricane Lane	20180824-0000	Mineral Oil/Transformer Oil	Asphalt
55	Oahu	PAR Refinery flare pilots outage	20180824-1042	Sulfur dioxide	Air

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
56	Oahu	HI Army National Guard diesel spill PC Industrial Park	20180824-1752	Diesel Oil/Marine Gas Oil	Storm Drain
57	Oahu	Mercury spill discovery on Iholena Place	20180826-1602	Mercury	Asphalt
58	Oahu	SO2 Release from PAR Refinery flare	20180828-0513	Sulfur dioxide	Air
59	Oahu	Sewage Overflow	20180828-0650	Wastewater	Storm Drain
60	Oahu	HNL runway 8L contamination	20180828-1210	Petroleum Hydrocarbon	Soil
61	Oahu	Kili Drive Sewer Noxious Odor	20180828-1420	Unknown	Air
62	Maui	Abandoned drums in stolen vehicle	20180829-1228	Diesel Oil/Marine Gas Oil	Drum/Container
63	Hawaii	HELCO Pad Mount Transformer #31276	20180830-0900	Mineral Oil/Transformer Oil	Ocean
64	Hawaii	HELCO Transformer Spill 75 Kamanu St #32488, 32489, 32490	20180830-1630	Mineral Oil/Transformer Oil	Concrete
65	Oahu	Kalaeloa Barbers Point Harbor Pier Six sheen	20180831-0811	Unknown	Ocean
66	Oahu	Pier G19 Ala Wai Harbor	20180901-0911	Oil	Ocean
67	Oahu	Unknown Release	20180901-1557	Unknown	Ocean
68	Oahu	Mavourneen Sinking	20180904-0632	Diesel Oil/Marine Gas Oil, Lube Oil/Motor Oil	Ocean
69	Oahu	Abandoned vehicle gas tank	20180905-1500	Gasoline	Asphalt
70	Oahu	Electrical or Rubber Burning Odor	20180906-1300	Unknown	Air
71	Oahu	Paint spill at the intersection of Salt Lake Boulevard & Kahuapaani Street	20180907-1500	Liquid	Storm Drain
72	Oahu	HECO Leaking Transformer No. 68438	20180910-0000	Mineral Oil/Transformer Oil	Soil
73	Oahu	Unknown Sheen in Ala Wai Boat Harbor	20180910-0735	Unknown	Ocean
74	Oahu	Potential Illegal Tree Trimming	20180910-0907	Other	Other
75	Kauai	Sinking Vessel Off of Kauai	20180911-0625	Gasoline	Ocean
76	Oahu	Sheen Discovered on Ground Water in HART Project	20180911-1052	Oil	Groundwater
77	Maui	MECO catch-all release notification number for all incidents related to Tropical Storm Olivia	20180912-0000	Mineral Oil/Transformer Oil	Soil
78	Hawaii	HELCO catch-all release notification number for all incidents related to Tropical Storm Olivia	20180912-0100	Mineral Oil/Transformer Oil	Soil
79	Oahu	HECO catch-all release notification number for all incidents related to Tropical Storm Olivia	20180912-0200	Mineral Oil/Transformer Oil	Soil
80	Oahu	Overfill on Hickam Airfield	20180912-1040	Jet Fuel/Kerosene	Concrete
81	Maui	MECO Transformer #21048 Release	20180912-1622	Mineral Oil/Transformer Oil	Soil
82	Oahu	Sheen at Honolulu Harbor Due to Runoff	20180913-1135	Unknown	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
83	Oahu	UH Research Vessel Accidental Release of Waste Oil	20180914-0937	Oil, Waste	Ocean
84	Molokai	Potential Release from Partially Submerged Vessel	20180917-0715	Gasoline	Ocean
85	Maui	Pride of America cruise ship glycol release	20180917-1458	Liquid	Ocean
86	Oahu	F/V Akamai sinking @ Honolulu Harbor pier 37	20180918-0912	Oil	Ocean
87	Kauai	Syringes @ Kauai County Park	20180918-1045	Container	Vegetation
88	Oahu	Syringe at HART site	20180919-0830	Container	Soil
89	Oahu	Strong odor in Haleiwa Town	20180919-0834	Unknown	Air
90	Oahu	Hawaiian Terminal Extension	20180919-1530	Petroleum Hydrocarbon	Soil
91	Oahu	HECO transformer 65743 leak	20180920-0805	Mineral Oil/Transformer Oil	Soil
92	Hawaii	USS Hawaii cooking oil released into Pearl Harbor	20180920-0929	Edible/Vegetable Oil	Ocean
93	Oahu	Mysterious sheen observed around USS Wayne E. Meyer	20180920-1420	Oil	Ocean
94	Oahu	Capsized boat @ Keehi Boat Harbor	20180920-1447	Gasoline	Ocean
95	Oahu	Discovery of Two Unknown Pipes with HART Construction	20180920-1509	Liquid	Soil
96	Oahu	Contaminated Soil Discovered at Airport Construction	20180920-1520	Oil	Soil
97	Oahu	Sheen at Ala Wai Harbor from vessel Miles Away	20180924-0946	Oil	Ocean
98	Hawaii	HELCO Pole Transformer (3) release	20180925-1215	Mineral Oil/Transformer Oil	Soil
99	Oahu	Potential tar balls at White Plains Beach	20180926-0745	Oil	Ocean
100	Oahu	Hypochlorite tote release	20180926-1020	Container	Impermeable Surface
101	Oahu	Airport Transit pipeline	20180926-1055	Container	Soil
102	Oahu	Sheen Offshore Moana Hotel	20180926-1108	Oil	Ocean
103	Hawaii	Fugitive 3 x 55-gallon drums	20180927-0806	Unknown	Storm Drain
104	Maui	Fergus & Co./ BJ Furniture (Future site), Cesspool and UST complaint	20180927-0930	Unknown	Soil
105	Oahu	Petroleum Contaminated Soil and Groundwater Discovered with HART	20180927-1308	Unknown	Groundwater
106	Oahu	Release of Engine Fluid into Drain at Schofield	20180928-0750	Used Oil	Storm Drain
107	Oahu	Mercury Removal from Broken Sphygmomanometer	20180928-0900	Biohazard/Medical Waste	Air
108	Oahu	Green Thumb Trucking fuel tank release	20180928-1440	Diesel Oil/Marine Gas Oil	Asphalt
109	Oahu	Pier 5 near the SS Strimon sheen	20180929-1028	Oil	Ocean
110	Oahu	SS Kauai release	20180929-1107	Hydraulic Oil	Ocean
111	Oahu	Ala Wai Sheen Near Slip G43	20180930-0700	Oil	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
112	Oahu	Unknown vessel taking on water	20180930-2058	Oil	Ocean
113	Oahu	Black Soot floating on water	20181001-0900	Solid Waste	Ocean
114	Oahu	Unknown cylindrical object	20181002-1500	Solid Waste	Ocean
115	Oahu	USS Preble unknown sheen	20181002-2028	Oil	Ocean
116	Oahu	Diesel Release overturned truck Kihi St.	20181003-1210	Diesel Oil/Marine Gas Oil	Concrete
117	Oahu	HECO Pad-Mount Transformer No. 45915	20181004-1556	Mineral Oil/Transformer Oil	Soil
118	Oahu	Lube Oil Spill on to Asphalt	20181005-1055	Lube Oil/Motor Oil	Asphalt
119	Oahu	USS John Paul Jones Fuel Spill	20181006-0742	Jet Fuel/Kerosene	Ocean
120	Oahu	Well Boring with Chromium	20181008-1019	Chromium	Groundwater
121	Oahu	HECO Transformer No. 13872 Release	20181009-1415	Mineral Oil/Transformer Oil	Soil
122	Baker	2 Liters of Hydraulic Oil Spilled in American Samoa	20181009-2229	Hydraulic Oil	Ocean
123	Oahu	Sharps Container Disposal	20181010-0250	Other	Other
124	Oahu	HECO Transformer No. 78901 Release	20181010-0745	Mineral Oil/Transformer Oil	Soil
125	Oahu	Excavator in stream	20181010-1151	Oil	Stream
126	Oahu	Fuel Spill from Signature Flight Support	20181010-1444	Jet Fuel/Kerosene	Concrete
127	Oahu	Release from Mobile Crane at Pearl Harbor	20181012-0710	Hydraulic Oil	Ocean
128	Oahu	MSRC Prep	20181012-0730	Oil	Other
129	Hawaii	Possible Fuel Leak at Signature Flight Support Tank Farm	20181012-1137	Jet Fuel/Kerosene	Soil
130	Kauai	Blue Drum Found at Hanamaulu Beach Park	20181013-0934	Lube Oil/Motor Oil	Ocean
131	Oahu	Illegal Sewage Discharge Kirby offshore	20181013-1009	Sewage	Ocean
132	Oahu	Illegal Dumping of Sewage from a Truck	20181013-1045	Sewage	Soil
133	Oahu	Catamaran Sinking in Kewalo Basin	20181013-1848	Diesel Oil/Marine Gas Oil	Ocean
134	Oahu	Sheen Spotted in Ala Wai Harbor	20181014-1503	Unknown	Ocean
135	Oahu	Sinking Vessel at Ala Wai Harbor, Slip B12	20181014-1833	Gasoline	Ocean
136	Maui	Car Drove on to the Pier during a Medical Emergency	20181015-0931	Gasoline	Other
137	Oahu	USS Columbia diesel spill Pearl Harbor	20181015-1304	Diesel Oil/Marine Gas Oil	Ocean
138	Hawaii	Disposal of Flea Sprays	20181015-1455	Other	Within Facility
139	Oahu	Excavator partially submerged in wetland restoration area	20181017-0808	Liquid	Groundwater
140	Maui	Cruise ship Carnival Splendor chemical spill	20181019-1344	Liquid	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
141	Oahu	Burnt house off-gassing unknown substance Luakaha Street, Kahala	20181020-1018	Gas	Air
142	Oahu	Car rolled into water Haleiwa boat harbor	20181020-1608	Gasoline	Ocean
143	Maui	Kahului Airport Access Road Release	20181022-1807	Edible/Vegetable Oil	Concrete
144	Oahu	Heeia Helicopter craft crash	20181022-1834	Aviation Gasoline, Lube Oil/Motor Oil	Ocean
145	Oahu	HECO Pad-Mount Transformer #52275 Release	20181023-0840	Mineral Oil/Transformer Oil	Soil
146	Kauai	Excavator Number 31718 Release	20181023-1143	Hydraulic Oil	Ocean
147	Oahu	Discovery of contaminated soil during construction	20181023-1530	Dieldrin	Soil
148	Oahu	Equipment Failure Cargo Handling Machinery	20181024-0754	Hydraulic Oil	Concrete
149	Oahu	Grace Pacific Asphalt Plant ATF release	20181024-1017	Transmission Fluid	Gravel
150	Oahu	Pier B16 Dockside Sheen	20181024-1503	Oil	Ocean
151	Oahu	Signature Flight Support Honolulu Taxiway Vault Leak	20181027-1318	Jet Fuel/Kerosene	Concrete
152	Oahu	Sport Fishing Vessel "Wild Bunch" Sinking	20181028-1543	Container, Diesel Oil/Marine Gas Oil, Hydraulic Oil	Ocean
153	Maui	Alleged Pleasure Craft "Follow Me" release	20181029-0715	Oily Water Mixture	Ocean
154	Oahu	Single used needle disposal	20181029-1010	Biowaste	Within Facility
155	Oahu	Paradise Lua Portable Toilet spill	20181029-1425	Liquid	Asphalt
156	Hawaii	Kona International Airport Used Oil Dumping	20181101-1040	Oil	Lava
157	Maui	Discharge of Oil into the Ocean From Power Plant	20181107-1000	Bunker C/IFO/HFO	Ocean
158	Oahu	Unknown foam by Pier 33-34, Honolulu Harbor	20181107-1412	Powder	Ocean
159	Oahu	Garlo Petroleum	20181108-1105	Diesel Oil/Marine Gas Oil	Ocean
160	Kauai	Leach Tank Overflow at Hanalei Transfer Station	20181109-0802	Liquid	Soil
161	Hawaii	Release from Hu Honua Biomass	20181109-1612	Liquid	Ocean
162	Oahu	Sheen in Ala Moana Harbor NRC 1230470	20181114-0828	Oil	Ocean
163	Oahu	oily sheen & soapy bubbles @ Honolulu Harbor pier 37	20181114-1043	Liquid, Oil	Ocean
164	Oahu	Solvent spill @ 67-139 Komo Street, Wailua	20181114-1051	Petroleum Hydrocarbon	Concrete
165	Hawaii	Jack's Tours base yard clean up, Kailua-Kona	20181114-1200	Oil	Asphalt
166	Oahu	Curtin Maritime tug diesel spill Honolulu Harbor pier 14	20181114-1408	Diesel Oil/Marine Gas Oil	Ocean
167	Oahu	Large brown water plume Pearl Harbor Sub Base	20181115-1226	Liquid	Ocean
168	Maui	Aloha Waste Systems hydraulic oil spill	20181115-1626	Hydraulic Oil	Asphalt

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
169	Oahu	HECO Pad-Mount transformer #65618 at 1122 Mikole Street, Honolulu	20181116-0756	Mineral Oil/Transformer Oil	Soil
170	Oahu	Sulfur Dioxide release PAR refinery	20181118-0529	Sulfur dioxide	Air
171	Oahu	Abandoned drum Diamond Head Road	20181120-1053	Liquid	Drum/Container
172	Maui	MECO Pad-Mount Transformer 10001	20181120-1538	Mineral Oil/Transformer Oil	Soil
173	Oahu	Refinery power outage SO2 release	20181120-1904	Sulfur dioxide	Air
174	Maui	Release Slip 17 Lahaina Harbor	20181121-0800	Lube Oil/Motor Oil	Ocean
175	Oahu	Heco Pad Transformer Release	20181121-1431	Mineral Oil/Transformer Oil	Concrete
176	Oahu	Unknown Sheen unknown source	20181126-0733	Oil	Ocean
177	Hawaii	Construction & farm debris buried at 27-2469 Kahala Pl. Hilo	20181126-1000	Unknown	Soil
178	Oahu	Meadow Gold Milk Release	20181126-1030	Wastewater	Storm Drain
179	Oahu	West Oahu Aggregate Ford Truck transmission fluid release	20181126-1200	Mineral Oil/Transformer Oil	Asphalt
180	Oahu	Par Hawaii Sulfur Recovery Plant Release	20181127-1045	Hydrogen sulfide, Sulfur dioxide	Air
181	Oahu	IES Downstream Ethyl Aluminum Dichloride Release	20181128-0223	Liquid	Air
182	Oahu	Kaneohe Plaza Assisted Living construction site	20181128-1445	Odor	Air
183	Oahu	Par Hawaii Ethyl aluminum dichloride release	20181128-2223	Hexane, Liquid	Air
184	Oahu	84th Engineering Battalion Motor pool, vehicle leak	20181130-1628	Lube Oil/Motor Oil	Soil
185	Maui	Gear Oil dumping	20181202-0849	Lube Oil/Motor Oil	Soil
186	Oahu	Red Hill RHMW 14 Drilling Odors	20181203-1308	Oil	Soil
187	Oahu	Engine Degreaser Washed into Storm Drain	20181203-1925	Liquid	Storm Drain
188	Oahu	Sulfuryl Flouride release	20181204-1347	Gas, Liquid	Air
189	Oahu	Vessel Run Aground Near Airport Runway	20181206-1018	Gasoline	Ocean
190	Oahu	Unknown Sheen from an Unknow Source by Pier 4	20181207-0809	Unknown	Ocean
191	Oahu	Unknown Sheen by Pier M4 in Pearl Harbor	20181207-0912	Unknown	Ocean
192	Oahu	Hydraulic Oil Release from Crane	20181207-0913	Hydraulic Oil	Ocean
193	Hawaii	Unknown Sheen 0.25 Miles Off Kailua Kona Pier	20181208-1726	Unknown	Ocean
194	Oahu	Hydraulic Oil Release from a Boat Ramp	20181209-2343	Hydraulic Oil	Ocean
195	Hawaii	Big Island Dairy closure/hazardous waste disposal, Ookala, Hawaii	20181210-1029	Other	Concrete
196	Oahu	Oily substance in meter box	20181210-1520	Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
197	Oahu	IES refinery spent sulfuric acid spill	20181211-0223	Sulfuric acid	Gravel
198	Oahu	Solvent Plume at HART Airport Site	20181211-1542	Liquid	Groundwater
199	Oahu	Ala Wai Boat Harbor sheen from unknown source	20181212-0844	Oil	Ocean
200	Oahu	Civilian (ATAC) fighter jet crash off Kewalo Basin	20181212-1540	Container, Hydraulic Oil, Jet Fuel/Kerosene, Turbine Oil	Ocean
201	Oahu	Pole transformers fell and broke open Shafter Flats	20181213-0841	Mineral Oil/Transformer Oil	Asphalt
202	Maui	MECO Trans No. 16600 Upalu Road	20181214-1034	Vegetable Oil/Transformer Oil	Asphalt
203	Oahu	Boat sank at Ala Wai boat harbor	20181216-0941	Gasoline, Lube Oil/Motor Oil	Ocean
204	Oahu	Grounded vessel at outer reefs of Keehi Lagoon	20181216-0942	Diesel Oil/Marine Gas Oil	Ocean
205	Oahu	Coal dust release into Barbers harbor	20181218-0811	Powder	Air
206	Oahu	White foamy substance floating on water	20181218-0935	Powder	Ocean
207	Hawaii	Honomalino Bay grounded vessel	20181218-1423	Diesel Oil/Marine Gas Oil	Ocean
208	Hawaii	Nakoa Sinking	20181218-1828	Container, Gasoline	Ocean
209	Oahu	Hydraulic leak Krukowski Rd. Tripler Hospital	20181219-0730	Oil	Asphalt
210	Oahu	Unknown contamination Kaili Stream, dead Mallard recovered.	20181220-1825	Liquid	Stream
211	Oahu	"Capt. Alex" Fishing Vessel Washdown	20181221-0902	Liquid	Ocean
212	Oahu	Oil release USS Arizona	20181221-1853	Bunker C/IFO/HFO	Ocean
213	Oahu	Keehi Sinking Vessel	20181222-0858	Unknown	Ocean
214	Kauai	UXO found near bridge	20181222-1003	Container	Soil
215	Oahu	Kualoa capsized vessel	20181223-0055	Container, Gasoline	Ocean
216	Oahu	oil spill from engine swap activity, Makakilo	20181224-0915	Oil	Storm Drain
217	Oahu	Buckets of unknown contents on sideway 2880 Ualena Street	20181224-1128	Unknown	Concrete
218	Oahu	Fugitive 5-gallon containers	20181224-1330	Unknown	Drum/Container
219	Oahu	Chemical Odor from HAZMAT Cargo	20181226-0733	Liquid	Air
220	Midway	CV Sincerity Ace	20181231-0330	Liquid	Ocean
221	Oahu	Hydraulic Oil Leak from Pump	20181231-0745	Hydraulic Oil	Ocean
222	Oahu	Potential Spill from Vessel Taking in Water, Slip 42	20190101-0427	Diesel Oil/Marine Gas Oil	Ocean
223	Oahu	Unknown Sheen by USCG Sector Honolulu	20190103-0931	Unknown	Ocean
224	Hawaii	Reported Tar Balls at Spencer Beach Park	20190103-1219	Other	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
225	Oahu	Bilge Water transfer pump release	20190104-1041	Wastewater	Ocean
226	Maui	MECO Transformer No. 9591 Oil Release	20190104-1200	Mineral Oil/Transformer Oil	Soil
227	Oahu	Petroleum Contamination Discovered at Kahala Market Place	20190104-1304	Unknown	Soil
228	Maui	Neighbor Letting Oil Run Down Storm Drain	20190106-1344	Lube Oil/Motor Oil	Storm Drain
229	Kauai	Potential Release from a Rec Vessel Run Aground	20190106-1646	Gasoline	Ocean
230	Kauai	Several Syringes Discovered by Flag Beach	20190107-1130	Biowaste	Other
231	Maui	NRC 1234821	20190108-0802	Oil	Soil
232	Maui	MECO Transformer No. 9241 Oil Release	20190108-1058	Mineral Oil/Transformer Oil	Soil
233	Maui	MECO Transformer No. 9239 Oil Release	20190108-1112	Mineral Oil/Transformer Oil	Soil
234	Maui	MECO Transformer No. 17730 Oil Release	20190108-1124	Mineral Oil/Transformer Oil	Concrete
235	Maui	MECO Transformer No. 9253	20190110-1051	Mineral Oil/Transformer Oil	Soil
236	Oahu	Used cooking oil containers overfilled S. King Street	20190110-1116	Edible/Vegetable Oil	Asphalt
237	Oahu	NRC 1235014	20190110-1547	Oil	Ocean
238	Oahu	Shred-It hydraulic oil spill Alakea Street	20190110-1714	Hydraulic Oil	Concrete
239	Oahu	White milky substance in water at finger pier, Kalaeloa Deep Draft Harbor	20190110-2302	Liquid	Ocean
240	Oahu	Soapy bubbles in Waolani Stream Nuuanu	20190113-1424	Liquid	Stream
241	Oahu	Bulky waste storage is full @ Puu Heleakala Community Association	20190114-1109	Other	Soil
242	Oahu	USS Chicago	20190115-1100	Hydraulic Oil	Ocean
243	Oahu	Abandoned vehicles and homeless trash Mills and McArthur roads	20190115-1144	Odor	Soil
244	Maui	MECO Transformer 12753	20190115-1239	Vegetable Oil/Transformer Oil	Concrete
245	Oahu	Algae Bloom Waimanalo Bay	20190115-1500	Liquid	Ocean
246	Maui	Bug Man Termite and Pest Control	20190116-0920	Liquid, Powder	Asphalt
247	Oahu	Hickam Jet Fuel Release	20190117-1234	Jet Fuel/Kerosene	Asphalt
248	Oahu	Harbor Sheen	20190118-0815	Oily Water Mixture	Ocean
249	Oahu	HECO Transformer 88210	20190118-1053	Vegetable Oil/Transformer Oil	Concrete
250	Oahu	Mercury Remediation	20190119-1100	Gas	Within Facility
251	Oahu	3030 Diamond Head Road scrap metal operation	20190119-1101	Gas	Air
252	Maui	Maalaea Harbor Sheen	20190119-1620	Oily Waste	Ocean
253	Hawaii	Epoxy resin odor complaint	20190119-2305	Gas	Air

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
254	Oahu	20,000 gallon Wastewater Release	20190121-1145	Wastewater	Asphalt
255	Oahu	5 Gallon Diesel Spill from Fuel Transfer	20190123-1344	Diesel Oil/Marine Gas Oil	Ocean
256	Oahu	Paint Spill at USCG Sector Honolulu	20190124-1150	Liquid	Ocean
257	Oahu	Release from a Pipeline on Pearl Harbor	20190125-1020	Diesel Oil/Marine Gas Oil	Soil
258	Oahu	Van in Ala Wai Canal	20190126-0749	Gasoline, Lube Oil/Motor Oil	Ocean
259	Oahu	Unknown Sheen in the Ala Wai Small Boat Harbor	20190127-1600	Unknown	Ocean
260	Hawaii	Hawaii County Public Works project	20190128-1150	Oil	Soil
261	Oahu	HECO Pole Mounted Transformer No. 49615	20190128-1315	Mineral Oil/Transformer Oil	Storm Drain
262	Oahu	HECO Pole-Mount Transformer No. 59208	20190129-1200	Mineral Oil/Transformer Oil	Concrete
263	Hawaii	Lead Impacted Soil below Kapue Stream Bridge	20190129-1250	Lead	Soil
264	Oahu	Hydraulic Oil Spill at Makakilo Quarry	20190130-1417	Hydraulic Oil	Soil
265	Oahu	Vials labelled with various infectious diseases found in closet	20190201-0925	Biohazard/Medical Waste	Within Facility
266	Oahu	Pearl Harbor equipment failure-Bilge truck release	20190201-1005	Diesel Oil/Marine Gas Oil	Asphalt
267	Oahu	Slip 744 Unknown Sheen	20190203-1100	Oil	Ocean
268	Hawaii	NRC 1236804	20190204-1500	Sewage, Solid Waste	Gravel
269	Oahu	Fallen transformer Pupukea	20190204-1940	Mineral Oil/Transformer Oil	Vegetation
270	Maui	Possible Meth Use by Neighbors	20190205-0909	Gas	Air
271	Hawaii	Big Island Diary broken pesticide containers	20190205-1604	Pesticide	Other
272	Oahu	Unknown liquid dumped on ground smells like Uric Acid, Frank Street, Honolulu	20190206-0850	Liquid	Soil
273	Oahu	Drum left side of road Lakeview Circle, Wahiawa	20190206-1116	Unknown	Concrete
274	Oahu	Lead-contaminated soils Pali Highway	20190206-1442	Lead	Soil
275	Oahu	NRC 1237087 Sheen Ala Wai Harbor slip 39	20190207-0929	Oil	Ocean
276	Oahu	Rain washed roofing paint into Honolulu Harbor @ P4	20190207-1107	Paint	Ocean
277	Oahu	Hawaii Community Correctional Center lead contamination	20190207-1350	Lead	Soil
278	Oahu	Grounded 22' boat @ Turtle Bay	20190207-1731	Container, Gasoline	Ocean
279	Oahu	UST closure	20190208-1732	Gasoline	Soil
280	Maui	NRC 1237345 Boat grounding Sugar Beach	20190210-1346	Diesel Oil/Marine Gas Oil	Sand
281	Maui	NRC 1237352 Boat grounding Kamaole Beach 1	20190210-1847	Gasoline	Sand

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
282	Maui	NRC 1237354 Boat grounding Lahaina	20190210-2339	Container, Diesel Oil/Marine Gas Oil	Sand
283	Maui	NRC 1237355 Boat (Star Runner) grounding Lahaina	20190210-2348	Gasoline	Sand
284	Oahu	Fuel transfer hose failure and spill at Pier 32.	20190211-0000	Diesel Oil/Marine Gas Oil	Ocean
285	Oahu	USCG Walnut equipment fluid release	20190212-0727	Hydraulic Oil	Ocean
286	Maui	Auwahi Wind Farm equipment failure release	20190212-0950	Hydraulic Oil	Soil
287	Oahu	Quarry Hammer Drill Hydraulic line release	20190212-1235	Hydraulic Oil	Soil
288	Oahu	Wicked Wahine Bilge release	20190213-1000	Transmission Fluid	Ocean
289	Oahu	Honolulu ARRF Fire Apparatus (Yankee 8) release	20190213-1210	Hydraulic Oil	Concrete
290	Oahu	Odor from marine growth removal	20190213-1404	Solid Waste	Air
291	Oahu	Resident Complaining of Chemicals Making them Ill	20190214-1044	Odor	Air
292	Kauai	Car Battery Explosion	20190219-1600	Liquid	Concrete
293	Lanai	MECO Transformer No. 10990	20190220-1435	Mineral Oil/Transformer Oil	Soil
294	Oahu	IES Downstream, Honolulu Terminal	20190221-1145	Gas	Within Facility
295	Oahu	Advanced Collision Center gasoline release	20190221-1830	Gasoline	Within Facility
296	Oahu	Mystery Drum	20190222-1830	Solid Waste	Ocean
297	Oahu	Hoola I Na Moku Diesel Generator Release	20190223-0915	Diesel Oil/Marine Gas Oil	Ocean
298	Hawaii	Big Island Dairy Wastewater Discharge	20190224-0735	Wastewater	Ocean
299	Maui	Potential Release from a Sunken Vessel in Mala Bay	20190225-1631	Container	Ocean
300	Maui	MECO Transformer No. 46373	20190225-1842	Mineral Oil/Transformer Oil	Soil
301	Oahu	HECO Pad-Mount Transformer No. 71367	20190226-1445	Mineral Oil/Transformer Oil	Soil
302	Oahu	Illegal Dumping of Oil Mixture	20190227-0900	Waste Oil	Soil
303	Oahu	Diesel Release from C&C Refuse Vehicle	20190228-0930	Diesel Oil/Marine Gas Oil	Storm Drain
304	Oahu	2 Drops of Lube Oil Off Pier V-1 Pearl Harbor	20190228-1153	Lube Oil/Motor Oil	Ocean
305	Oahu	Potential release at Kunia Loa Ridge Farmlands	20190301-1227	Gasoline, Hydraulic Oil, Lube Oil/Motor Oil	Soil
306	Oahu	Possible Release of a Partially Submerged Vessel Off Dimond Head	20190303-0915	Sulfuric acid	Ocean
307	Oahu	HECO Transformer 70124 Aliinui Drive, Kapolei	20190304-1521	Mineral Oil/Transformer Oil	Soil
308	Oahu	Haleiwa channel sheen NRC 1239307	20190305-1025	Oil	Ocean
309	Maui	MECO Pole-Mount Transformer 12741	20190305-1033	Mineral Oil/Transformer Oil	Soil

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
310	Molokai	Kaunakakai petroleum discovery	20190305-1550	Petroleum Hydrocarbon	Soil
311	Maui	Maui COSTCO refrigerant NRC 1239372	20190306-0637	Gas	Air
312	Oahu	Par Refinery Release in Tank Farm	20190306-1355	Diesel Oil/Marine Gas Oil	Soil
313	Maui	MECO Transformer #6334	20190307-1516	Mineral Oil/Transformer Oil	Concrete
314	Hawaii	Junkyard in Pahoa	20190308-1323	Oil	Soil
315	Oahu	Used sand blast grit & water mixture accidental discharge into Pearl Harbor	20190309-1109	Liquid	Ocean
316	Oahu	Kiyo's Transmission Service alleged disposal issues	20190310-1306	Oil	Storm Drain
317	Oahu	Foul odors from storm drains surrounding Costco Iwilei	20190310-1430	Gas	Air
318	Oahu	Sewer Force main soil excavation at Pier 24 sheen discovery	20190311-1510	Diesel Oil/Marine Gas Oil	Groundwater
319	Oahu	Kiyo's Transmission Service roadside sheen	20190312-1310	Oily Waste	Asphalt
320	Oahu	Makakilo Quarry Excavator hydraulic equipment failure	20190312-1420	Hydraulic Oil	Soil
321	Oahu	Roof cleaning runoff impact to Kahauiki Stream	20190312-1610	Other	Stream
322	Maui	Vessel Holokai diesel release	20190312-2020	Diesel Oil/Marine Gas Oil	Ocean
323	Oahu	Kewalo Basin Pier C Sheen	20190313-0820	Diesel Oil/Marine Gas Oil	Ocean
324	Maui	MECO Transformer leak #16326	20190315-0000	Mineral Oil/Transformer Oil	Concrete
325	Oahu	ATS Marine Service pump failure release	20190315-1740	Diesel Oil/Marine Gas Oil	Ocean
326	Oahu	Fugitive Cylinder Paradise Bay Resort	20190316-0910	Compressed Gas Cylinder	Ocean
327	Oahu	Water recovery tank diesel overflow	20190316-0955	Jet Fuel/Kerosene	Soil
328	Oahu	Hydraulic release USS North Carolina	20190317-0140	Hydraulic Oil	Ocean
329	Oahu	Assist with Lead Paint analysis	20190319-0800	Lead	Other
330	Oahu	LPG Pump Leak and Fire Prep	20190319-2217	LNG/LPG	Air
331	Oahu	Storm Drain impacted by paint residue	20190320-0547	Wastewater	Storm Drain
332	Maui	Contaminated soil discovery at Kahului Airport expansion project	20190320-1100	Solid Waste	Soil
333	Oahu	Wholesale Cabinets Fire and run off	20190321-1231	Water	Soil
334	Maui	Maui road repair runoff, Kokomo and Kaluanui Rd.	20190322-0816	Oil	Asphalt
335	Oahu	Fugitive Five x Five-gallon containers	20190322-1630	Unknown	Drum/Container
336	Oahu	Old Waialua Sugar Mill Fire Contamination Exposure	20190323-0915	Dioxin	Soil
337	Maui	R/V Kanani Kai sinking	20190323-1529	Diesel Oil/Marine Gas Oil, Hydraulic Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
338	Oahu	HECO Transformer 79826	20190325-0850	Mineral Oil/Transformer Oil	Soil
339	Oahu	Spill at the End of Kuhonu Place	20190325-1013	Liquid	Concrete
340	Oahu	Vessel "REGATTA" contained lubricating oil release to bilge.	20190325-1230	Lube Oil/Motor Oil	Within Facility
341	Oahu	Possible Sewage Spill into Canal	20190326-2023	Sewage	Other
342	Oahu	Wastewater Spill from a Private Residence	20190326-2240	Wastewater	Soil
343	Oahu	Concrete Dust at an Apartment Complex	20190327-0859	Powder	Air
344	Oahu	Possible Fuel Spill in Makaha Boat Harbor	20190327-1035	Diesel Oil/Marine Gas Oil	Ocean
345	Oahu	Rugs Being Burned in Open Area	20190327-1642	Gas	Air
346	Oahu	Sewage Spill Off Nimitz Hwy.	20190327-2056	Sewage	Storm Drain
347	Oahu	Sewage Smell From Storm Drain	20190328-0809	Sewage	Storm Drain
348	Maui	Contaminated Soil Excavation	20190328-1352	Diesel Oil/Marine Gas Oil	Soil
349	Oahu	Used Oil Collection Site Leaking	20190328-1448	Lube Oil/Motor Oil	Impermeable Surface
350	Oahu	Diesel Spill in Shipyard on Land	20190329-1239	Diesel Oil/Marine Gas Oil	Impermeable Surface
351	Oahu	Unknown Substance in Honolulu Harbor	20190330-1207	Liquid	Ocean
352	Oahu	Dumping of Gasoline by Home Depot in Pearl City	20190331-1246	Gasoline	Soil
353	Oahu	UH Marine lab vessel "Kilo Moana" release	20190401-1426	Waste Oil	Ocean
354	Oahu	Kalaelea Drive Fluid spill from mobile auto repair business.	20190403-1830	Lube Oil/Motor Oil	Asphalt
355	Oahu	Salt Lake Blvd County construction project soil contamination	20190404-0830	Oil	Soil
356	Oahu	Diesel release Tinker Road Bellows AFB	20190404-0955	Diesel Oil/Marine Gas Oil	Soil
357	Kauai	Nawiliwili Harbor bulk storage tank sump discovery.	20190405-0948	Molasses	Concrete
358	Oahu	HART Utility Relocation Station 1381 Abandoned Pipelines	20190405-1326	Oil	Groundwater
359	Hawaii	Lead Abatement Project Historic Hakalau School Site	20190405-1327	Solid Waste	Soil
360	Hawaii	Young Brothers Barge "Kalaenalu" diesel spill	20190407-2225	Diesel Oil/Marine Gas Oil	Ocean
361	Oahu	Diesel spill from generator on a vessel LSV-4 Pearl Harbor Alpha Piers	20190408-1204	Diesel Oil/Marine Gas Oil	Ocean
362	Oahu	NRC 1242327	20190409-1815	Oil	Ocean
363	Hawaii	Propane release at AmeriGas facility in Shipman Industrial Park, Big Island	20190411-1200	Compressed Gas Cylinder	Air
364	Maui	NRC 1242607	20190412-1117	Oil	Ocean
365	Maui	Alleged Meth Use in the Apartment Complex	20190415-0802	Gas	Air
366	Oahu	Drill Pacific Commercial Services Drill	20190415-1059	Oil	Ocean

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019

	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
367	Kauai	Recovery Vessel Release of Gasoline	20190416-1147	Gasoline	Ocean
368	Maui	MECO Pole-Mount Transformer No. 16326	20190417-1154	Mineral Oil/Transformer Oil	Concrete
369	Maui	MECO Transformer Pole-Mount Transformer No. 16502	20190417-1206	Mineral Oil/Transformer Oil	Soil
370	Oahu	HECO Three-Pole Mount Transformer Nos. 32282, 32254, 74048	20190417-1226	Mineral Oil/Transformer Oil	Soil
371	Hawaii	Target Shipping Container Fire	20190418-0935	Other	Air
372	Oahu	F/V "St. Peter" on fire	20190418-1408	Diesel Oil/Marine Gas Oil	Air
373	Molokai	Fuel transfer from barge release	20190420-1130	Gasoline	Impermeable Surface
374	Oahu	HIDOT hydraulic oil spill Honolulu Airport	20190422-1416	Hydraulic Oil	Asphalt
375	Hawaii	Holland America Eurodam propeller shaft leak Kailua Kona	20190423-0957	Lube Oil/Motor Oil	Ocean
376	Hawaii	Chop Shop bust Mountain View	20190423-1550	Lube Oil/Motor Oil	Soil
377	Kauai	Potential petroleum discovery Puna Road Eleele, Kauai	20190424-1041	Oil	Soil
378	Hawaii	Sheen observed by pilot, Kailua-Kona	20190424-1303	Oil	Ocean
379	Hawaii	Theft of fuel from vehicles at Keck Observatory Visit Center, Kamuela, Waimea	20190424-1537	Gasoline	Asphalt
380	Oahu	USS Michigan oily water spill	20190424-1845	Oily Water Mixture	Concrete
381	Oahu	USS Port Royal comp water spill	20190425-0912	Oily Water Mixture	Ocean
382	Oahu	Chemical odor @ Punahou Courtyards condominium	20190425-1213	Gas	Air
383	Oahu	Petroleum contamination discovery Ka'a'awa Fire Station	20190426-1335	Diesel Oil/Marine Gas Oil	Soil
384	Oahu	USS Lake Erie unknown sheen	20190429-1500	Oil	Ocean
385	Hawaii	Unknown drums	20190430-0300	Unknown	Soil
386	Oahu	UST discovery @ Honolulu International Airport	20190430-1121	Petroleum Hydrocarbon	Soil
387	Oahu	Former Juvenile Detention Center chlordane release	20190430-1444	Chlordane	Soil
388	Hawaii	Allegations of Buried Drums	20190430-1500	Unknown	Drum/Container
389	Oahu	Stewart's Auto Service Lead and chromium releases	20190430-1523	Lead	Soil
390	Oahu	90 gallons Used Cooking Oil Spill	20190430-1811	Edible/Vegetable Oil	Asphalt
391	Oahu	F-24 Jet fuel release from a fueling operation	20190430-2335	Jet Fuel/Kerosene	Soil
392	Oahu	Riot gas canisters disposal	20190501-1954	Gasoline	Within Facility
393	Oahu	Moth balls odors from neighbor's garden	20190503-1617	Gas	Air
394	Oahu	Latex gloves and medical waste dumping	20190504-0920	Biohazard/Medical Waste	Asphalt

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
395	Oahu	Car Driven into Keehi Lagoon	20190506-1200	Gasoline	Ocean
396	Oahu	R/V Moana Mele	20190507-1430	Diesel Oil/Marine Gas Oil	Ocean
397	Oahu	Car Ran Off Pier 5 into the Harbor	20190507-2000	Gasoline, Lube Oil/Motor Oil	Ocean
398	Oahu	Release of Hydraulic Oil in Vessel	20190509-0900	Hydraulic Oil	Other
399	Oahu	Oily Water Spill at Pearl Harbor	20190509-1215	Oily Water Mixture	Ocean
400	Maui	Meth Drug Testing of House	20190509-1330	Other	Within Facility
401	Hawaii	Possible Spilled Oil at a Junk Yard	20190509-1616	Unknown	Soil
402	Oahu	Sinking Vessel in Ala Wai Boat Harbor, Slip 30	20190510-0849	Diesel Oil/Marine Gas Oil	Ocean
403	Oahu	White Substance in Stream by King Intermediate School	20190510-0927	Liquid	Stream
404	Oahu	Hydraulic Oil Spill on Street	20190511-1232	Hydraulic Oil	Storm Drain
405	Oahu	Fuel Overflow on HNL South Runway	20190511-1425	Jet Fuel/Kerosene	Impermeable Surface
406	Maui	Fuel Spill at Lihue Airport Gate 8	20190512-1240	Jet Fuel/Kerosene	Concrete
407	Maui	Possible Sheen off the Coast of Maui	20190512-1424	Unknown	Ocean
408	Maui	Sheen observed by NOAA satellite NRC 1245711	20190515-0408	Oil	Ocean
409	Oahu	Abandoned gas can on property	20190515-0826	Gasoline	Soil
410	Oahu	New contamination discovered at Hans Metals Waipahu	20190515-0857	Petroleum Hydrocarbon	Soil
411	Oahu	Ten Acre Site in Campbell Industrial Park contamination found by future tenant	20190515-0947	Oil	Soil
412	Oahu	Delta Construction Base Yard, Kapolei	20190515-1031	Oil	Soil
413	Hawaii	Semi-truck collision causing diesel spill	20190516-0659	Diesel Oil/Marine Gas Oil	Asphalt
414	Oahu	Cyanide contamination 760 Halekauwila Street	20190516-0844	Cyanides (soluble salts and complexes) [hydrogen], Lead, Oil	Soil
415	Oahu	Buckets of oil on Waikiki sidewalk	20190516-1022	Oil	Concrete
416	Oahu	Potential Mercury spill in Manoa house	20190516-1034	Mercury	Within Facility
417	Oahu	Propane release @ PAR West's flare	20190517-1049	Gas	Air
418	Maui	Sheen observed by NOAA satellite NRC 1246014	20190517-1321	Oil	Ocean
419	Oahu	Transformer leak at Schofield East Range	20190517-1640	Mineral Oil/Transformer Oil	Asphalt
420	Oahu	Sheen @ USCG Sand Island base	20190518-0731	Oil	Ocean
421	Hawaii	NRC 124080 Buckets of oil	20190518-1230	Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
422	Oahu	Car transmission oil spill Honolulu Harbor, pier 2	20190518-2006	Transmission Fluid	Asphalt
423	Oahu	Admiral's boat caught fire, Pearl Harbor	20190519-0830	Diesel Oil/Marine Gas Oil, Lube Oil/Motor Oil	Ocean
424	Oahu	NRC 1246149 Sheen Waianae Boat harbor	20190519-0943	Oil	Ocean
425	Oahu	NRC 1246252 Painting vehicle without spray booth	20190520-1026	Paint	Air
426	Oahu	Hydraulic Fluid Release from Lawnmower	20190520-1347	Hydraulic Oil	Soil
427	Oahu	Grace Pacific hydraulic oil spill	20190522-1317	Hydraulic Oil	Soil
428	Oahu	Old Hydraulic Hoist and Oil Water Separator Discovered at Excavation Site	20190523-1445	Hydraulic Oil, Oily Waste	Soil
429	Oahu	Hydrotest failure of pipeline	20190523-1659	Jet Fuel/Kerosene	Soil
430	Oahu	Unknown Sheen outside Hukikai barge	20190529-0800	Oil	Ocean
431	Oahu	Lead contamination at apartment complex on Kaipuu Street, Kapahulu	20190531-1442	Lead	Soil
432	Molokai	Abandoned unidentified pipeline - Job H.C. 30152	20190531-1555	Unknown	Soil
433	Oahu	USS Charlotte oil-water mixture spill, Pearl Harbor	20190603-1614	Oily Water Mixture	Ocean
434	Oahu	Unknown Container Found by Aloha Stadium	20190605-1525	Other	Other
435	Oahu	Wood Working Hawaii	20190605-1536	Liquid	Soil
436	Oahu	Honouliuli WWTP severed diesel pipeline incident	20190605-1604	Diesel Oil/Marine Gas Oil	Soil
437	Oahu	NRC #1248080 sheen in ocean	20190606-1219	Diesel Oil/Marine Gas Oil	Ocean
438	Hawaii	Old blasting caps discovered during grading activities	20190606-1424	Container	Soil
439	Oahu	Car drove off Pier A, Pearl Harbor.	20190608-1545	Gasoline	Ocean
440	Oahu	Unknown Sheen in Honolulu Harbor by Pier 15	20190611-0720	Unknown	Ocean
441	Oahu	Reported Leak from a Tank At Par Hawaii	20190612-1200	Bunker C/IFO/HFO	Soil
442	Oahu	Sailing Boat Ran Aground at Magic Island	20190612-2121	Diesel Oil/Marine Gas Oil	Ocean
443	Kauai	Contaminated Soil Discovered During Excavation	20190613-1050	Unknown	Soil
444	Oahu	Blue Slick in the Ala Wai Canal and Fish Kill	20190613-1312	Unknown	Stream
445	Kauai	Boat Grounded on Honopu Beach	20190613-1532	Unknown	Ocean
446	Oahu	Old Tear Gas Containers Dropped off at HPD Headquarters	20190615-1639	Container	Air
447	Oahu	former Shell Honolulu Fuel Distribution Terminal	20190617-1800	Gas	Groundwater
448	Hawaii	former Kawaihae Ranch Headquarters	20190621-0915	Diesel Oil/Marine Gas Oil, Lead	Soil
449	Oahu	USCG Cutter Walnut hydraulic oil spill	20190625-1810	Hydraulic Oil	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2019

<u>HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2019</u>					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
450	Maui	V/T Prins Hendriks marine gas oil spill	20190626-0830	Diesel Oil/Marine Gas Oil	Ocean
451	Oahu	Sheen in Kewalo Basin	20190626-1031	Oil	Ocean
452	Oahu	Pacific Commercial Services (PCS) Prep	20190627-0702	Oil	Ocean
453	Oahu	NRC 1250307 Sheen Kalaeloa Harbor, Kapolei	20190627-0904	Oil	Ocean
454	Kauai	Sailboat "Fidelia" grounding at Haena State Park, Kauai	20190627-1111	Diesel Oil/Marine Gas Oil	Ocean
455	Hawaii	Honokohau Harbor sheen, Hawaii	20190627-1721	Oil	Ocean
456	Kauai	Venti Capital, LLC's G4 private jet JP-8 spill, Lihue	20190628-0907	Jet Fuel/Kerosene	Asphalt
457	Oahu	Tote of Ferric Chloride dropped C/C Wastewater Treatment Plant Sand Island	20190628-1447	Ferric chloride	Asphalt

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 FY2019, HEER had oversight responsibilities for 1,216 active sites and reached No Further Action determinations at 22 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. 715 active sites under direct DOH oversight in the various State programs are listed. 12 state sites with known or suspected contamination received No Further Action Determinations. Of those, nine 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 501 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 2019, clean up decisions were reached at nine DSMOA sites, some of which will require ongoing management of residual contamination through Environmental Hazard Management Plans. The lists are sorted in the order of Island, Locality or Installation, and Site Name. The site Priority, Action, and Potential Hazard are identified for each Facility/Site. Sites are categorized as a potential hazard when sampling data indicate that contaminant concentrations exceed Hawaii Environmental Action Levels. Generally, these conservative action levels are set to be protective of long term, daily exposures. Hazards are managed by removal or destruction of the contaminants (No Hazard), use restrictions that limit access to the contamination, (Institutional Controls), or physical barriers that limit exposure to the contaminants (Engineering Controls).

Blank Page

HSRP LIST OF PRIORITY SITES FY2019

FY2019 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 FY2019 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	3	47	228	1	0	279
	Response	57	145	118	8	3	331
Brownfields	Assessment	0	2	17	0	0	19
	Response	3	11	3	0	0	17
VRP	Assessment	0	1	1	0	0	2
	Response	0	0	0	1	0	1
Site Discovery & PA/SI	Assessment	1	13	33	0	0	47
	Response	2	8	6	0	0	16
NPL	Assessment	0	0	0	0	0	0
	Response	0	2	1	0	0	3
Total		66	229	407	10	3	715

	Program Action	High Priority	Medium Priority	Low Priority		NFA	Total
DSMOA	Assessment	2	72	354	1	2	431
	Response	16	25	23	4	2	70
Total		18	97	377	5	4	501

Blank Page

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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	Low	Assessment	Hazard	Ongoing	State
2	French Frigate Hawaii	Tern Island	Cocos Island Tern Island	Low	Response	Undetermined Hazard Present	Ongoing	State
3			DOE East Hawaii Schools	Medium	Assessment	Hazard Undetermined	Ongoing	State
4	Hawaii	Hakalau	Hakalau School	Low	Assessment	Hazard Undetermined	Ongoing	State
5	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Hazard Undetermined	Inactive	State
6	Hawaii	Hakalau	Mauna Kea Sugar - Hakalau Sugar Plantation	High	Response	Hazard Present	Ongoing	State
7	Hawaii	Hakalau	Umauma Stream Bridge	Medium	Assessment	Hazard Undetermined	Ongoing	State
8	Hawaii	Hamakua	Hakalau Stream Bridge	High	Assessment	Hazard Undetermined	Ongoing	State
9	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park	Low	Assessment	Hazard Undetermined	Ongoing	State
10	Hawaii	Hawaii Volcanoes National Park	Hawaii Volcanoes National Park	Low	Assessment	Hazard Undetermined	Ongoing	State
11	Hawaii	Hawi	Resource Management Area Harbottle Property	Low	Assessment	Hazard Undetermined	Ongoing	State
12	Hawaii	Hawi	Upolu Point Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
13	Hawaii	Hawi	Westrum Property	Medium	Assessment	Hazard Undetermined	Ongoing	State
14	Hawaii	Hilo	Agent Orange Application	Low	Response	Hazard Undetermined	Inactive	State
15	Hawaii	Hilo	Aloha Petroleum Hilo Bulk Plant	Medium	Response	Hazard Present	Ongoing	State
16	Hawaii	Hilo	Big Island Asphalt Co Inc	Medium	Response	Hazard Present	Ongoing	State
17	Hawaii	Hilo	De Silva Elementary School	Low	Response	Hazard Undetermined	Ongoing	State
18	Hawaii	Hilo	Building Exterior Soils Equilon Enterprises LLC - Hilo Terminal (Shell Oil Co)	Low	Response	Hazard Present	Ongoing	State
19	Hawaii	Hilo	Haaheo Elementary School	Medium	Assessment	Hazard Undetermined	Ongoing	State
20	Hawaii	Hilo	Building Exterior Soils Hatada Bakery (Former)	Low	Response	Hazard Managed With Institutional Controls	Inactive	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019

	<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>
21	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond	High	Response	Hazard Present	Ongoing	State
22	Hawaii	Hilo	Hawaii Community College hydraulic oil leak	Low	Assessment	Hazard Undetermined	Ongoing	State
23	Hawaii	Hilo	Hawaii County DWS - Former Steel Water Tank Kawaihani Street, Hilo	Medium	Assessment	Hazard Present	Ongoing	State
24	Hawaii	Hilo	Hawaii County Kamehameha Avenue Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
25	Hawaii	Hilo	Hawaii Pest Control	Medium	Response	Hazard Present	Ongoing	State
26	Hawaii	Hilo	HELCO Generating Station: Hill- Kanoelehua	Low	Response	Hazard Undetermined	Ongoing	State
27	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing	State
28	Hawaii	Hilo	Highway 19, Mile Marker 28.5	Low	Assessment	Hazard Undetermined	Ongoing	State
29	Hawaii	Hilo	Hilo Canec Plant 6.2 Acre Portion	Low	Assessment	Hazard Present	Ongoing	State
30	Hawaii	Hilo	Hilo Harbor Interisland Cargo Dock	Low	Assessment	Hazard Undetermined	Ongoing	State
31	Hawaii	Hilo	Hilo High School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
32	Hawaii	Hilo	Hilo Intermediate School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
33	Hawaii	Hilo	Hilo International Airport	Low	Assessment	Hazard Undetermined	Ongoing	State
34	Hawaii	Hilo	Hilo Memorial Hospital	Low	Response	Hazard Undetermined	Ongoing	State
35	Hawaii	Hilo	Hilo OCCC	Medium	Response	Hazard Undetermined	Ongoing	State
36	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
37	Hawaii	Hilo	Hilo Terminal 666 Kalaniana'ole Avenue	Medium	Response	Hazard Present	Ongoing	State
38	Hawaii	Hilo	Hilo Union Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
39	Hawaii	Hilo	Kanoelehua Industrial Warehouse	Low	Assessment	Hazard Undetermined	Inactive	Brownfields Site
40	Hawaii	Hilo	Kapiolani Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
41	Hawaii	Hilo	Kaumana Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
42	Hawaii	Hilo	Kawailani Central Office	Medium	Assessment	Hazard Undetermined	Ongoing	State
43	Hawaii	Hilo	Keaukaha Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
44	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
45	Hawaii	Hilo	Kumau Street Improvements Hilo Harbor Entrance	Medium	Assessment	Hazard Undetermined	Ongoing	State
46	Hawaii	Hilo	Lanakila Homes Phase 3B-4	Medium	Assessment	Hazard Present	Ongoing	State
47	Hawaii	Hilo	Larry's Waiakea Chevron	Low	Response	Hazard Present	Ongoing	State
48	Hawaii	Hilo	Mauna Kea Sugar - Hilo Sugar Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
49	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed Dipping Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
50	Hawaii	Hilo	Old Hilo Canec Plant	Low	Assessment	Hazard Present	Ongoing	State
51	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 595 Kalaniana'ole	Low	Assessment	Hazard Undetermined	Ongoing	State
52	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 607 Kalaniana'ole	Low	Assessment	Hazard Present	Ongoing	State
53	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 701 Kalaniana'ole	Low	Assessment	Hazard Undetermined	Ongoing	State
54	Hawaii	Hilo	Tesoro Hilo Terminal 2	Medium	Assessment	Hazard Undetermined	Ongoing	State
55	Hawaii	Hilo	UH Hilo Pacific Aquaculture and Ocean Resources Center	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
56	Hawaii	Hilo	USCG Radio Bay	Low	Assessment	Hazard Undetermined	Ongoing	State
57	Hawaii	Hilo	UST excavated Bishop and Kamehameha	Low	Assessment	Hazard Undetermined	Ongoing	State
58	Hawaii	Hilo	Waiakea Intermediate School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
59	Hawaii	Hilo	Waiakea Mill Company - Camp 2	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
60	Hawaii	Hilo	Waiakea Mill Company - Camp 6	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
61	Hawaii	Hilo	Waiakea Mill Company - Waiakea Uka Park	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
62	Hawaii	Hilo	Waiakeawaena Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
63	Hawaii	Hilo	Wailoa River State Recreation Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
64	Hawaii	Hilo	Wood Protection Company (HPM Building Supply)	Low	Assessment	Hazard Present	Ongoing	State
65	Hawaii	Honaunau	Kamehameha Schools Estoy Property	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
66	Hawaii	Honokaa	Hamakua Sugar Company Inc - Kawela Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
67	Hawaii	Honomu	Honomu Sugar Company Poison Warehouse	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
68	Hawaii	Honomu	Kolekole Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	State
69	Hawaii	Honomu	Paheehee Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
70	Hawaii	Kailua	Kealakehe Transfer Station	Medium	Assessment	Hazard Present	Ongoing	State
71	Hawaii	Kailua-Kona	Cellana Kona Demonstration Facility	Low	Assessment	Hazard Present	Ongoing	State
72	Hawaii	Kailua-Kona	Hawaii Petroleum- Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing	State
73	Hawaii	Kailua-Kona	HELCO Generating Station: Keahole	Low	Assessment	Hazard Undetermined	Ongoing	State
74	Hawaii	Kailua-Kona	Honokohau Industrial Park-Lower Boat Park Soil Contamination	Low	Response	Hazard Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019

	<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>
75	Hawaii	Kailua-Kona	West Hawaii Homeless Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
76	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive	State
77	Hawaii	Kamuela	Mid Pac Petroleum	Low	Assessment	Hazard Undetermined	Ongoing	State
78	Hawaii	Kamuela	Waimea Quarry	Low	Assessment	Hazard Undetermined	Ongoing	State
79	Hawaii	Kapaau	Niulii Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
80	Hawaii	Kau	Kau High School and Pahala Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
81	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing	State
82	Hawaii	Keaau	HELCO Substation: Panaewa Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
83	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Assessment	Hazard Undetermined	Ongoing	State
84	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
85	Hawaii	Keaau	Keaau Middle School	Low	Assessment	Hazard Managed With Institutional Controls	Inactive	State
86	Hawaii	Keaau	Keaau Middle School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
87	Hawaii	Keaau	Keaau Paho Road 118 Acre Parcel	Low	Response	Hazard Present	Inactive	State
88	Hawaii	Keaau	Keaau Triangle Lot	High	Response	Hazard Present	Inactive	State
89	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
90	Hawaii	Keaau	Ulupono Street Lots 10 and 11 Keaau Hawaii	Medium	Response	Hazard Present	Ongoing	Site Discovery
91	Hawaii	Kealakekua	Kealakekua Heritage Ranch	Low	Response	Hazard Present	Ongoing	State
92	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Hazard Undetermined	Inactive	State
93	Hawaii	Lahaina	Former Minoru Kamahara Chevron	Low	Response	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
94	Hawaii	Laupahoehoe	35-2078 Hulaana Place	Medium	Assessment	Hazard Undetermined	Ongoing	State
95	Hawaii	Laupahoehoe	Hamakua Sugar Company, Inc - Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
96	Hawaii	Laupahoehoe	Laupahoehoe High and Elementary School Building Exterior Soils	Low	Assessment	Hazard Undetermined	Ongoing	State
97	Hawaii	Mountain View	Mountain View Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
98	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
99	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Seed Dipping Vat	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
100	Hawaii	Naalehu	Kaalaiki Industrial Lot D	High	Response	Hazard Present	Ongoing	Fast Track
101	Hawaii	Naalehu	Kaalaiki Industrial Lots B-D	High	Response	Hazard Present	Ongoing	Site Discovery
102	Hawaii	Naalehu	Kau Agribusiness Hutchinson Sugar Mill Honuapo	Low	Assessment	Hazard Undetermined	Ongoing	State
103	Hawaii	Naalehu	Naalehu Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
104	Hawaii	Ninole	Nanue Stream Bridge	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
105	Hawaii	North Kohala	Hawi Well Site	Low	Assessment	Hazard Undetermined	Ongoing	State
106	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive	Brownfields
107	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Seed Dipping Plant	Low	Response	Hazard Managed With Institutional Controls	Ongoing	Site Discovery
108	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing	Site Discovery
109	Hawaii	Paauilo	Hamakua Sugar Company - Ookala Mill Pesticide Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
110	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Asbestos Disposal Site	Low	Assessment	Hazard Present	Ongoing	State
111	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Paauilo Seed Dipping Plant	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
112	Hawaii	Paauiilo	Hamakua Sugar Company, Inc - Paauiilo Sugar Mill Pesticide Mixing Area	High	Assessment	Hazard Present	Ongoing	Site Discovery
113	Hawaii	Paauiilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive	State
114	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing	State
115	Hawaii	Pahala	ML Macadamia Orchards, LP (Kau Div)	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
116	Hawaii	Pahala	Pahala Nursery	Low	Assessment	Hazard Undetermined	Ongoing	State
117	Hawaii	Pahoa	Pahoa Elementary School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
118	Hawaii	Pahoa	Pahoa High School Building Exterior Soils	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
119	Hawaii	Papaikou	27-0330 Mamalahoa Highway Collision	Low	Response	Hazard Undetermined	Ongoing	State
120	Hawaii	Papaikou	Kalaniana'ole Elementary and Intermediate School	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
121	Hawaii	Papaikou	Kapue Stream Bridge	Low	Response	Hazard Undetermined	Ongoing	State
122	Hawaii	Papaikou	Mauna Kea Sugar - Onomea Sugar Papaikou Mill Pesticide Mixing Area	High	Response	Hazard Present	Ongoing	Site Discovery
123	Hawaii	Pepeekeo	Black Oil and Drum Sites	Low	Response	Hazard Present	Ongoing	State
124	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
125	Hawaii	Pepeekeo	Hu Honua Bioenergy Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
126	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing	State
127	Hawaii	Pepeekeo	Mauna Kea Sugar - Pepeekeo Mill Herbicide Mixing Area	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
128	Hawaii	Waimea	Keck Observatory Hydraulic Oil Release	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
129	Hawaii	Waipunalei	Hamakua Sugar Company, Inc - Waipunalei	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Site Discovery
130	Kauai	Barking Sands	Grace Pacific Corporation - Barking Sands HMA Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
131	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Hazard Present	Ongoing	State
132	Kauai	Eleele	McBryde Sugar Numila Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	State
133	Kauai	Eleele	Port Allen	Low	Assessment	Hazard Undetermined	Ongoing	State
134	Kauai	Eleele	Port Allen Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
135	Kauai	Hanamaulu	Grace Pacific Corporation - Hanamaulu Facility	NFA	Assessment	Hazard Managed With Engineering Controls	NFA	State
136	Kauai	Hanamaulu	Lihue Plantation Co, Ltd - Lihue Herbicide Mixing Plant	Medium	Response	Hazard Undetermined	Ongoing	State
137	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing	State
138	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard Undetermined	Ongoing	State
139	Kauai	Kapaa	Coconut Marketplace	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
140	Kauai	Kapaa	Hawaiian Fruit Packers Poison Mixing Site	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
141	Kauai	Kapaa	Leonard's, Inc	Low	Assessment	Hazard Undetermined	Ongoing	State
142	Kauai	Kapaa	Samuel Mahelona Memorial Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
143	Kauai	Kapaa	Wailua Homestead Wells 0421-01& 02	Low	Response	Hazard Present	Ongoing	State
144	Kauai	Kaunakakai	Gay and Robinson Seed Dipping Vat	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
145	Kauai	Kekaha	7723 Iwipolena Road	Medium	Response	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
146	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Hazard Undetermined	Ongoing	State
147	Kauai	Kekaha	Kekaha Dump Area	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
148	Kauai	Kekaha	Kekaha Sugar Co, Ltd	Medium	Response	Hazard Present	Ongoing	State
149	Kauai	Kekaha	Kekaha Sugar Co, Ltd - Kekaha Wood Treatment Plant	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
150	Kauai	Kekaha	Paua Valley Tank PCB Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
151	Kauai	Kekaha	Pioneer Hi-Bred	Low	Assessment	Hazard Undetermined	Ongoing	State
152	Kauai	Kilauea	Hale Hoolulu-Kilauea	Low	Response	Hazard Present	Ongoing	State
153	Kauai	Koloa	Kauai Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
154	Kauai	Koloa	Koloa Mill Pesticide Mixing Area Post-1974	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
155	Kauai	Lihue	Former Ahukini Dump	Low	Assessment	Hazard Present	Ongoing	State
156	Kauai	Lihue	Hawaii Fueling Facilities Corporation Lihue Fuel Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
157	Kauai	Lihue	Kauai Petroleum Co., Ltd	Low	Response	Hazard Present	Ongoing	State
158	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing	State
159	Kauai	Lihue	Lihue Plantation Co, Ltd	Medium	Response	Hazard Present	Ongoing	Brownfields
160	Kauai	Lihue	Lihue Plantation Co, Ltd - Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
161	Kauai	Lihue	Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
162	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
163	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	State
164	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Hazard Undetermined	Inactive	State
165	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Assessment	Hazard Present	Inactive	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
166	Kauai	Lihue	Paradise 76 Service Station	Low	Assessment	Hazard Undetermined	Ongoing	State
167	Kauai	Port Allen	Port Allen Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
168	Kauai	Port Allen	Port Allen Shed Renovation	Low	Assessment	Hazard Undetermined	Inactive	State
169	Kauai	Puhi	Grove Farm Company at Puhi	Medium	Response	Hazard Present	Ongoing	State
170	Kauai	Wailua	Coco Palms Sewage Pump Station	Low	Assessment	Hazard Undetermined	Inactive	State
171	Kauai	Waimea	Kauai Veterans Memorial Hospital	Low	Assessment	Hazard Undetermined	Inactive	State
172	Kauai	Waimea	Kikiaola Light Draft Harbor Improvements Baseyard	Low	Assessment	Hazard Undetermined	Ongoing	State
173	Kauai	Waimea	Meadow Gold Dairies, Inc- Waimea	Low	Response	Hazard Present	Inactive	State
174	Kauai	Waimea	Navy MFH PMRF Barking Sands	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
175	Kauai	Waimea	Waimea Sugar Company	Low	Assessment	Hazard Present	Ongoing	Site Discovery
176	Kure	Kure Atoll	Kure Atoll, U.S. Coast Guard	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
177	Lanai	Lanai City	Dole Lanai Plantation	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
178	Lanai	Lanai City	Former Emulsion Plant - Fraser Development Site	Medium	Response	Hazard Present	Ongoing	State
179	Lanai	Lanai City	Lanai City Expansion 200 Housing Units	Medium	Assessment	Hazard Present	Ongoing	State
180	Maui		Maui Golf Course Herbicide Mixing Stations	Low	Assessment	Hazard Undetermined	Ongoing	State
181	Maui	Haiku	41 Awalau Road	Low	Assessment	Hazard Undetermined	Ongoing	State
182	Maui	Haiku	Nahiku Rubber Company	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
183	Maui	Haiku	Pauwela Homes Project, Kauhikoa Land LLC	Low	Assessment	Hazard Undetermined	Ongoing	State
184	Maui	Hana	Kaeleku Plantation Company Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2019
HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019

	<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>
185	Maui	Kahului	A&B Central Power Plant Pipelines	Medium	Assessment	Hazard Present	Ongoing	State
186	Maui	Kahului	A&B Properties, Inc., Agricultural Deep Soil Dump Lot 6	Low	Assessment	Hazard Undetermined	Ongoing	State
187	Maui	Kahului	buried container of unknown substance - 475 Maalo St	Low	Assessment	Hazard Undetermined	Ongoing	State
188	Maui	Kahului	Fong Construction	Low	Assessment	Hazard Undetermined	Inactive	State
189	Maui	Kahului	Hobron Ave Area (Kahului)	Low	Response	Hazard Present	Ongoing	State
190	Maui	Kahului	Kahului Fuel Distribution Terminal	Low	Response	Hazard Present	Ongoing	State
191	Maui	Kahului	Kahului Harbor Industrial District	Medium	Assessment	Hazard Present	Ongoing	State
192	Maui	Kahului	Kahului Harbor Parcel B	Medium	Assessment	Hazard Undetermined	Ongoing	State
193	Maui	Kahului	Kahului Harbor Pier 1	Low	Assessment	Hazard Present	Ongoing	State
194	Maui	Kahului	Kahului Terminal	Low	Response	Hazard Present	Ongoing	State
195	Maui	Kahului	Lot F4 Kane Street	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
196	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street	Low	Assessment	Hazard Undetermined	Ongoing	State
197	Maui	Kahului	Maui Terminal	Medium	Assessment	Hazard Undetermined	Ongoing	State
198	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Ongoing	State
199	Maui	Kahului	MECO sub-Transformer# 3792 Release	Low	Assessment	Hazard Undetermined	Ongoing	State
200	Maui	Kahului	Queen Kaahumanu Center	Low	Assessment	Hazard Undetermined	Ongoing	State
201	Maui	Kahului	Sears Auto Center	Low	Assessment	Hazard Undetermined	Inactive	State
202	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing	State
203	Maui	Kihei	A&B Properties Former Agricultural Land Kihei Maui	Medium	Assessment	Hazard Undetermined	Ongoing	State
204	Maui	Kihei	BHP Gas Express (Station # 73), Azeka's Place	Low	Assessment	Hazard Undetermined	Ongoing	State
205	Maui	Kihei	Hawaii Army National Guard - Puunene Armory	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
206	Maui	Kihei	Kamalani Borrow Sites	Medium	Assessment	Hazard Undetermined	Ongoing	State
207	Maui	Kihei	Makena Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
208	Maui	Lahaina	Hyatt Regency Maui Resort	Low	Assessment	Hazard Undetermined	Ongoing	State
209	Maui	Lahaina	Kaanapali Transformer Site	Low	Response	Hazard Undetermined	Ongoing	State
210	Maui	Lahaina	Kapalua Resort Company	Low	Assessment	Hazard Undetermined	Ongoing	State
211	Maui	Lahaina	Lahaina Cannery Mall Phase II Assessment	Low	Response	Hazard Undetermined	Ongoing	State
212	Maui	Lahaina	Maui Land and Pineapple Company Honolulu Pesticide Mixing Area	Medium	Response	Hazard Present	Ongoing	Site Discovery
213	Maui	Lahaina	MECO Submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Ongoing	State
214	Maui	Lahaina	Olowalu Company Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
215	Maui	Lahaina	Pioneer Mill Lahainaluna Road Transformers	Low	Assessment	Hazard Undetermined	Ongoing	State
216	Maui	Lahaina	Train Turnaround Transformer Substation Site	Low	Assessment	Hazard Undetermined	Ongoing	State
217	Maui	Lahaina	Westin Maui	Medium	Response	Hazard Present	Ongoing	State
218	Maui	Maalaea	Maalaea Mauka	Low	Assessment	Hazard Undetermined	Ongoing	State
219	Maui	Makawao	Maui Land and Pineapple Company Haliimaile Pesticide Storage Area	Medium	Response	Hazard Undetermined	Ongoing	Site Discovery
220	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	PA/SI
221	Maui	Pukalani	Maui Pineapple Co Ltd, Corn Mill Camp	High	Response	Hazard Present	Ongoing	State
222	Maui	Puunene	HC&S Cade Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
223	Maui	Puunene	HC&S Cade Stations	Low	Assessment	Hazard Undetermined	Ongoing	State
224	Maui	Puunene	Maui Paving Camp 6	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
225	Maui	Puunene	Old Puunene Airport Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
226	Maui	Puunene	Puunene Airport (Dragstrip & Moto-Cross)	Low	Assessment	Hazard Undetermined	Ongoing	State
227	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing	State
228	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing	State
229	Maui	Wailuku	Waihee Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
230	Maui	Wailuku	Wailuku Sugar Agricultural Department Pesticide Mixing	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
231	Midway	NAF Midway	Naval Air Facility, Midway Island	Low	Assessment	Hazard Undetermined	Ongoing	State
232	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing	State
233	Molokai	Ilio Point	Long Range Navigation Station Ilio Point	Medium	Response	No Hazard	Ongoing	State
234	Molokai	Ilio Point	Long Range Navigation Station Ilio Point Secondary Debris Pile	Low	Assessment	Hazard Undetermined	Ongoing	State
235	Molokai	Kalaupapa	Kalaupapa Settlement Historical Burn Area	Low	Response	Hazard Present	Ongoing	Site Discovery
236	Molokai	Kalaupapa	Kalaupapa Settlement Kitchen Fire Debris	Low	Response	Hazard Undetermined	Ongoing	State
237	Molokai	Kaunakakai	DLNR Water Line Installation	Medium	Response	Hazard Undetermined	Ongoing	State
238	Molokai	Kaunakakai	Galiher-Ono Property	Medium	Response	Hazard Present	Ongoing	State
239	Molokai	Kaunakakai	Gasoline Spill in Kaunakakai Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State
240	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive	State
241	Molokai	Kaunakakai	Kaunakakai Drainage System B	Medium	Assessment	Hazard Undetermined	Ongoing	State
242	Molokai	Kaunakakai	Kaunakakai Terminal	Low	Response	Hazard Present	Ongoing	State
243	Molokai	Kaunakakai	Kaunakakai Wharf - DOT Harbors	Medium	Response	Hazard Undetermined	Ongoing	State
244	Molokai	Kaunakakai	Kaunakakai Wharf Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
245	Molokai	Kaunakakai	Malama Cultural Park	Low	Assessment	Hazard Undetermined	Ongoing	State
246	Molokai	Kaunakakai	Mid Pac Petroleum Mauka Fuel Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
247	Molokai	Kaunakakai	Molokai Community Service Center	Low	Assessment	Hazard Undetermined	Ongoing	State
248	Molokai	Kaunakakai	Molokai Electric Company (MOECO) Power Plant Site	High	Response	Hazard Present	Ongoing	State
249	Molokai	Kaunakakai	Molokai trench pipe work	Low	Assessment	Hazard Undetermined	Ongoing	State
250	Molokai	Kualapuu	Del Monte Corporation Kualapuu Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
251	Molokai	Maunaloa	Laau Point	Low	Response	Hazard Undetermined	Ongoing	State
252	Molokai	Maunaloa	Libby McNeill and Libby Maunaloa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
253	Molokai	Umipaa	Grace Pacific Corporation - Maui Paving Molokai Asphalt Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
254	Niihau	Keelinawi	Niihau Loran Station	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
255	Oahu	Aiea	98-55 Kamehameha Highway	Low	Assessment	Hazard Undetermined	Ongoing	State
256	Oahu	Aiea	Grace Pacific Corporation - Halawa Valley Street	Low	Response	Hazard Present	Ongoing	State
257	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive	State
258	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive	State
259	Oahu	Aiea	Honolulu Plantation Company - Seed Dipping Vat	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
260	Oahu	Aiea	Honolulu Transit-Oriented Development	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
261	Oahu	Aiea	Navy MFH Halawa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
262	Oahu	Aiea	Navy MFH McGrew Point	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019
HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019

	<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>
263	Oahu	Aiea	Sears Pearlridge #1578 Elevator Jack	Low	Response	Hazard Managed With Engineering Controls	Inactive	State
264	Oahu	Aiea	Sears Pearlridge #1578 Hydraulic Hoist	Low	Response	Hazard Present	Ongoing	State
265	Oahu	Barbers Point	Aloha Petroleum, Barbers Pt Sales Terminal (Formerly Texaco/Equilon)	Low	Response	Hazard Present	Ongoing	State
266	Oahu	Barbers Point	Barbers Point Harbor Expansion	Low	Response	Hazard Present	Ongoing	State
267	Oahu	Barbers Point	Barbers Point Harbor Pier 6	Low	Assessment	Hazard Undetermined	Ongoing	State
268	Oahu	Barbers Point	Barbers Point Harbor Pier 7 and Storage Yard S-6	Low	Assessment	Hazard Undetermined	Inactive	State
269	Oahu	Camp HM Smith	Marines MFH Camp Smith	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
270	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Ongoing	Brownfields
271	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
272	Oahu	Ewa Beach	BHP Gas Express Station 43 Ewa Repair Shop	Low	Assessment	Hazard Undetermined	Ongoing	State
273	Oahu	Ewa Beach	Iroquois Point Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
274	Oahu	Ewa Beach	Palailai Landfill	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
275	Oahu	Ewa Beach	Stockpile on Navy Parcel	Low	Assessment	Hazard Undetermined	Ongoing	State
276	Oahu	Fort Shafter	Army MFH FS Funston Village	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
277	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
278	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
279	Oahu	Fort Shafter	Army MFH FS Palm Circle	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
280	Oahu	Fort Shafter	Army MFH FS Radar Hill	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
281	Oahu	Fort Shafter	Army MFH FS Rice Manor	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
282	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
283	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
284	Oahu	Halawa	Grace Pacific - Hawaiian Cement Parking Lot	Low	Response	Hazard Undetermined	Ongoing	State
285	Oahu	Halawa	OCCC Halawa	Medium	Response	Hazard Undetermined	Ongoing	State
286	Oahu	Haleiwa	Haleiwa Chevron Service Station	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
287	Oahu	Haleiwa	Haleiwa Commercial Redevelopment	Low	Response	Hazard Present	Ongoing	State
288	Oahu	Haleiwa	Haleiwa Store Lots	Low	Assessment	Hazard Undetermined	Ongoing	State
289	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Present	Ongoing	State
290	Oahu	Hawaii Kai	Hawaii Kai Memorial Park	Low	Assessment	Hazard Undetermined	Ongoing	State
291	Oahu	Helemano MR	Army MFH HMR Kalapana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
292	Oahu	Helemano MR	Army MFH HMR Kekona	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
293	Oahu	Helemano MR	Army MFH HMR Kuapale	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
294	Oahu	Hickam AFB	Air Force MFH HAFB CGO-FGO Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
295	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
296	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
297	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
298	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
299	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-4	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
300	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
301	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
302	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
303	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
304	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
305	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
306	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
307	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
308	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
309	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
310	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
311	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
312	Oahu	Hickam AFB	Air Force MFH HAFB GO-SO Historic Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
313	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
314	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
315	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
316	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
317	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
318	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
319	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
320	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
321	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
322	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
323	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
324	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
325	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
326	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-2	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
327	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-3	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
328	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
329	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
330	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
331	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
332	Oahu	Hickam AFB	Hickam AFB HIANG F22 Parking Apron	Low	Response	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
333	Oahu	Hilo	Hilo Airport Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
334	Oahu	Hilo	Petroleum contamination discovery Hilo	Low	Assessment	Hazard Undetermined	Ongoing	State
335	Oahu	Honolulu	1240 Mookaula Street	Low	Response	Hazard Undetermined	Ongoing	State
336	Oahu	Honolulu	1385 Colburn Street	Low	Assessment	Hazard Undetermined	Ongoing	State
337	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
338	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
339	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Hazard Undetermined	Ongoing	State
340	Oahu	Honolulu	1812 Colburn Street Site	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
341	Oahu	Honolulu	2051-2057 Kalakaua Avenue	Low	Assessment	Hazard Undetermined	Ongoing	State
342	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing	State
343	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing	State
344	Oahu	Honolulu	2250 Pahounui Drive	Medium	Assessment	Hazard Present	Ongoing	State
345	Oahu	Honolulu	2949 Koapaka Street	Low	Assessment	Hazard Undetermined	Ongoing	State
346	Oahu	Honolulu	2958 Ualena Street	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
347	Oahu	Honolulu	333 & 351 N King St	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
348	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing	State
349	Oahu	Honolulu	393 North King Street	Low	Assessment	Hazard Undetermined	Ongoing	State
350	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
351	Oahu	Honolulu	458 Keawe Street	Low	Assessment	Hazard Undetermined	Ongoing	State
352	Oahu	Honolulu	524 Kaaahi Street	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
353	Oahu	Honolulu	580 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
354	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Present	Ongoing	State
355	Oahu	Honolulu	604 Ala Moana Boulevard	Medium	Response	Hazard Managed With Institutional Controls	Inactive	State
356	Oahu	Honolulu	609 Waiakamilo Road	Low	Assessment	Hazard Undetermined	Ongoing	State
357	Oahu	Honolulu	630 Cooke Street	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
358	Oahu	Honolulu	653 Kakoi Street	Low	Assessment	Hazard Undetermined	Ongoing	State
359	Oahu	Honolulu	700 N Nimitz Iwilei	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
360	Oahu	Honolulu	710 North King Street	Low	Assessment	Hazard Undetermined	Ongoing	State
361	Oahu	Honolulu	755 N Nimitz Hwy	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
362	Oahu	Honolulu	760 Halekauwila Street	Medium	Assessment	Hazard Present	Ongoing	State
363	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
364	Oahu	Honolulu	801 South Hotel Street	Medium	Assessment	Hazard Undetermined	Ongoing	State
365	Oahu	Honolulu	815 Kawaiahao Street	Low	Assessment	Hazard Undetermined	Ongoing	State
366	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Hazard Undetermined	Ongoing	State
367	Oahu	Honolulu	902 Alder Street	Low	Assessment	Hazard Undetermined	Ongoing	State
368	Oahu	Honolulu	916 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
369	Oahu	Honolulu	922 Kaamahu Place	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
370	Oahu	Honolulu	938 Kohou Street	Low	Response	Hazard Present	Ongoing	State
371	Oahu	Honolulu	Aina Haina Public Library	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
372	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
373	Oahu	Honolulu	Aloha Petroleum Honolulu Terminal	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
374	Oahu	Honolulu	Aloha Service Station Number 1091	Low	Assessment	Hazard Undetermined	Ongoing	State
375	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Hazard Present	Ongoing	State
376	Oahu	Honolulu	Ameron Hawaii Sand Island Facility	Medium	Response	Hazard Undetermined	Ongoing	State
377	Oahu	Honolulu	ARCO AM/PM #82102 (Texaco 61-100-0043)	Low	Response	Hazard Present	Ongoing	State
378	Oahu	Honolulu	Army MFH AMR Bougainville	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
379	Oahu	Honolulu	Army MFH AMR Hibiscus	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
380	Oahu	Honolulu	Army MFH AMR Makai View	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
381	Oahu	Honolulu	Army MFH AMR Plumeria	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
382	Oahu	Honolulu	Army MFH AMR Rim Loop	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
383	Oahu	Honolulu	Army MFH AMR Skyview	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
384	Oahu	Honolulu	Army MFH AMR Valley View	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
385	Oahu	Honolulu	Army MFH Army Hawaii Family Housing ADMIN FILE	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
386	Oahu	Honolulu	ARTSPACE	High	Response	Hazard Present	Ongoing	Brownfields
387	Oahu	Honolulu	ASIG Sand Island	Medium	Assessment	Hazard Undetermined	Ongoing	State
388	Oahu	Honolulu	Awa Wastewater Pump Station	Low	Assessment	Hazard Undetermined	Ongoing	State
389	Oahu	Honolulu	Beretania Pumping Station	Low	Assessment	Hazard Undetermined	Ongoing	State
390	Oahu	Honolulu	BHP Gas Express (Station # 11)	Low	Assessment	Hazard Undetermined	Ongoing	State
391	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	Low	Assessment	Hazard Present	Ongoing	State
392	Oahu	Honolulu	Chevron Bulk Fuel Loading Rack Driveway Access	Low	Assessment	Hazard Undetermined	Ongoing	State
393	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
394	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing	State
395	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing	State
396	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing	State
397	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
398	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
399	Oahu	Honolulu	Citizens Energy Services Pier 38	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
400	Oahu	Honolulu	Classic Bowl	Medium	Assessment	Hazard Present	Ongoing	State
401	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
402	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
403	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed With Institutional Controls	Inactive	State
404	Oahu	Honolulu	Dole Cannery Complex	Low	Assessment	Hazard Undetermined	Ongoing	State
405	Oahu	Honolulu	Dole Iwilei	Medium	Response	Hazard Present	Ongoing	State
406	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
407	Oahu	Honolulu	DOT-A Parcel at Honolulu Harbor (34-A Lot)	Medium	Assessment	Hazard Undetermined	Inactive	State
408	Oahu	Honolulu	Factory Street Lead	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
409	Oahu	Honolulu	Factory Street Lead Site - Private Properties	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
410	Oahu	Honolulu	Farrington High School Firing Range	High	Assessment	Hazard Undetermined	Ongoing	State
411	Oahu	Honolulu	Former General Printing Company	Medium	Assessment	Hazard Undetermined	Ongoing	State
412	Oahu	Honolulu	Goodwill Beretania Street	Low	Assessment	Hazard Undetermined	Ongoing	State
413	Oahu	Honolulu	Hale Pua Nui UST Removal	Low	Response	Hazard Present	Ongoing	State
414	Oahu	Honolulu	Halekauwila Street between Keawe Street and Coral Street HART Boring C143	Low	Assessment	Hazard Undetermined	Ongoing	State
415	Oahu	Honolulu	HART Iwilei 02-15-2013	Low	Assessment	Hazard Undetermined	Ongoing	State
416	Oahu	Honolulu	Hart Street WWPS	Low	Response	Hazard Present	Ongoing	State
417	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport	Low	Response	Hazard Present	Ongoing	State
418	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
419	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island	Low	Response	Hazard Present	Ongoing	State
420	Oahu	Honolulu	Oil/Water Drain Line Release Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing	State
421	Oahu	Honolulu	Hawaii Grain Corporation	Low	Assessment	Hazard Undetermined	Ongoing	State
422	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Response	Hazard Managed With Engineering Controls	Inactive	State
423	Oahu	Honolulu	Hawaii Kai Marina	Low	Assessment	Hazard Undetermined	Ongoing	State
424	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
425	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing	State
426	Oahu	Honolulu	Hawaii Transfer Company, Ltd Pier 36	Low	Response	Hazard Present	Ongoing	State
427	Oahu	Honolulu	Hawaiian Electric Company (HECO) - Iwilei Tank Yard	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
428	Oahu	Honolulu	Hawaiian Electric Company (HECO) Parking Lot and Alley	Medium	Assessment	Hazard Undetermined	Ongoing	State
429	Oahu	Honolulu	Hawaiian Electric Company (HECO)-Honolulu Generating Station	Low	Assessment	Hazard Present	Inactive	State Response Program
430	Oahu	Honolulu	Hawaiian Flour Mill	Low	Response	Hazard Present	Ongoing	State
431	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Present	Ongoing	State
432	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive	State
433	Oahu	Honolulu	HECO Fuel Oil Pipeline Route State Energy Corridor	Low	Assessment	Hazard Undetermined	Ongoing	State
434	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
435	Oahu	Honolulu	Honolulu Airport Diamondhead Site Improvements	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
436	Oahu	Honolulu	Honolulu Airport Former Commuter Terminal	Medium	Response	Hazard Undetermined	Ongoing	State
437	Oahu	Honolulu	Honolulu Airport Interim Car Rental Facility	Low	Response	Hazard Managed With Institutional Controls	Inactive	State
438	Oahu	Honolulu	Honolulu Community College Kokea Street Parking Lot	Low	Response	Hazard Undetermined	Ongoing	State
439	Oahu	Honolulu	Honolulu Harbor Iwilei District Operating Parties	Medium	Assessment	Hazard Present	Inactive	State
440	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1A	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
441	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1B	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
442	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1C	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
443	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU2	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
444	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU3	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
445	Oahu	Honolulu	Honolulu Harbor Kapalama Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
446	Oahu	Honolulu	Honolulu Harbor Sand Island Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
447	Oahu	Honolulu	Honolulu High-Capacity Transit Corridor Project	Low	Assessment	Hazard Present	Ongoing	State
448	Oahu	Honolulu	Honolulu International Airport Air Conditioning Modification, Phase I	Low	Assessment	Hazard Undetermined	Ongoing	State
449	Oahu	Honolulu	Honolulu International Airport Aloha Air Cargo	Low	Assessment	Hazard Undetermined	Ongoing	State
450	Oahu	Honolulu	Honolulu International Airport Consolidated Car Rental (CONRAC) Facility	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
451	Oahu	Honolulu	Honolulu International Airport Electric Distribution Modernization Phase I	Low	Assessment	Hazard Undetermined	Ongoing	State
452	Oahu	Honolulu	Honolulu International Airport Elliot Street Parking Lot	Low	Assessment	Hazard Undetermined	Ongoing	State
453	Oahu	Honolulu	Honolulu International Airport Interisland Maintenance Facility	Low	Assessment	Hazard Undetermined	Ongoing	State
454	Oahu	Honolulu	Honolulu International Airport International Terminal Building and Hardstand	Low	Response	Hazard Undetermined	Ongoing	State
455	Oahu	Honolulu	Honolulu International Airport Manuwai Drainage Canal	Low	Assessment	Hazard Undetermined	Ongoing	State
456	Oahu	Honolulu	Honolulu International Airport Project AO1121-24 PH 1-A	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
457	Oahu	Honolulu	Honolulu International Airport Reef Runway	Low	Assessment	Hazard Undetermined	Ongoing	State
458	Oahu	Honolulu	Honolulu International Airport Solvent Plume - Lot J/Parking Structure Area	Medium	Assessment	Hazard Undetermined	Ongoing	State
459	Oahu	Honolulu	Honolulu International Airport TCE Plume	Low	Response	Hazard Undetermined	Ongoing	State
460	Oahu	Honolulu	Honolulu International Airport Ualena Street Phase I Parcels	Low	Assessment	Hazard Undetermined	Ongoing	State
461	Oahu	Honolulu	Honolulu International Airport, Hawaiian Airlines Maintenance Facility	Medium	Assessment	Hazard Undetermined	Ongoing	State
462	Oahu	Honolulu	Honolulu Limited	Medium	Response	Hazard Present	Ongoing	State
463	Oahu	Honolulu	Honolulu Marine Sand Island	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
464	Oahu	Honolulu	Honolulu Marine Small Boat Shipyard at Keehi Lagoon	Low	Assessment	Hazard Present	Ongoing	State
465	Oahu	Honolulu	Honolulu Marine Water Trench - Trench B	Low	Assessment	Hazard Undetermined	Ongoing	State
466	Oahu	Honolulu	Honolulu Marine Water Trench 12-02	Low	Assessment	Hazard Undetermined	Ongoing	State
467	Oahu	Honolulu	Honolulu Paint Factory	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
468	Oahu	Honolulu	Honolulu Rail Transit Project - Airport Segment Guideway and Station	Low	Assessment	Hazard Undetermined	Ongoing	State
469	Oahu	Honolulu	Honolulu Seawater Air Conditioning Project	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
470	Oahu	Honolulu	Honolulu Shipyard, Inc	Low	Response	Hazard Undetermined	Inactive	State
471	Oahu	Honolulu	Honolulu Wood Treating Co, Ltd	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
472	Oahu	Honolulu	HPD & HFD Rotor Wing Facility	Medium	Assessment	Hazard Undetermined	Ongoing	State
473	Oahu	Honolulu	Innovation Block at Lot C	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
474	Oahu	Honolulu	Interisland Maintenance Facility Site Elliot Street	Low	Response	Hazard Undetermined	Ongoing	State
475	Oahu	Honolulu	Iolani School Campus Expansion	NFA	Response	No Hazard	NFA	State
476	Oahu	Honolulu	Island Energy Honolulu Marine Terminal	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
477	Oahu	Honolulu	Island Movers, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
478	Oahu	Honolulu	Island Recycling Fire	Low	Assessment	Hazard Undetermined	Ongoing	State
479	Oahu	Honolulu	Iwilei Fruits and Produce	Low	Response	Hazard Undetermined	Ongoing	State
480	Oahu	Honolulu	Iwilei Project Site (Iwilei Brownfields)	Low	Response	Hazard Present	Ongoing	Brownfields
481	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Low	Assessment	Hazard Present	Ongoing	State
482	Oahu	Honolulu	Kakaako Block C	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
483	Oahu	Honolulu	Kakaako Brownfield Project	High	Response	Hazard Managed With Institutional Controls	Ongoing	Brownfields
484	Oahu	Honolulu	Kakaako Brownfield Project - Unit 1	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
485	Oahu	Honolulu	Kakaako Brownfield Project - Unit 10	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
486	Oahu	Honolulu	Kakaako Brownfield Project - Unit 2	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
487	Oahu	Honolulu	Kakaako Brownfield Project - Unit 3	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
488	Oahu	Honolulu	Kakaako Brownfield Project - Unit 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields
489	Oahu	Honolulu	Kakaako Brownfield Project - Unit 5	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
490	Oahu	Honolulu	Kakaako Brownfield Project - Unit 6	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
491	Oahu	Honolulu	Kakaako Brownfield Project - Unit 7	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
492	Oahu	Honolulu	Kakaako Brownfield Project - Unit 8	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields
493	Oahu	Honolulu	Kakaako Brownfield Project - Unit 9	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
494	Oahu	Honolulu	Kakaako Improvement District 3	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
495	Oahu	Honolulu	Kakaako Improvement District 4	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
496	Oahu	Honolulu	Kakaako Improvement District 7	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
497	Oahu	Honolulu	Kakaako Maintenance Shed	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
498	Oahu	Honolulu	Kakaako Makai	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
499	Oahu	Honolulu	Kakaako Makai District John Dominis	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
500	Oahu	Honolulu	Kakaako Makai District Parking Garage-Unit 1and 3	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
501	Oahu	Honolulu	Kakaako Makai District Units 2 and 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
502	Oahu	Honolulu	Kakaako Makai District Units 6 and 7	High	Response	Hazard Present	Ongoing	Brownfields
503	Oahu	Honolulu	Kakaako Mauka	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
504	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing	State
505	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing	State
506	Oahu	Honolulu	Kapalama Container Yard Project	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
507	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
508	Oahu	Honolulu	Keeaumoku Superblock Project	Low	Assessment	Hazard Undetermined	Inactive	State
509	Oahu	Honolulu	Koko Head Abandoned Transformer	Low	Assessment	Hazard Undetermined	Ongoing	State
510	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
511	Oahu	Honolulu	Kuakini Medical Center	Low	Assessment	Hazard Undetermined	Ongoing	State
512	Oahu	Honolulu	Kuhio Park Terrace Units D1 and D2	Low	Response	Hazard Managed With Institutional Controls	Ongoing	Brownfields
513	Oahu	Honolulu	Lagoon Chevron (Dick Saito Lagoon Chevron)	Low	Assessment	Hazard Undetermined	Ongoing	State
514	Oahu	Honolulu	Leahi Hospital	Low	Assessment	Hazard Undetermined	Ongoing	State
515	Oahu	Honolulu	Lockheed Air Terminal, Inc	Medium	Response	Hazard Present	Inactive	Site Discovery

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
516	Oahu	Honolulu	Marconi Wireless Station Koko Head	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
517	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd	Low	Assessment	Hazard Undetermined	Inactive	State
518	Oahu	Honolulu	Miyazaki Honolulu Airport Service Station (Airways Service Station Inc)	Low	Assessment	Hazard Undetermined	Inactive	State
519	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing	State
520	Oahu	Honolulu	Navy MFH Camp Stover	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
521	Oahu	Honolulu	Navy MFH Catlin Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
522	Oahu	Honolulu	Navy MFH Doris Miller Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
523	Oahu	Honolulu	Navy MFH Hale Alii	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
524	Oahu	Honolulu	Navy MFH Hale Moku	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
525	Oahu	Honolulu	Navy MFH Halsey Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
526	Oahu	Honolulu	Navy MFH Hokulani	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
527	Oahu	Honolulu	Navy MFH Hospital Point	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
528	Oahu	Honolulu	Navy MFH Little Makalapa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
529	Oahu	Honolulu	Navy MFH Makalapa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
530	Oahu	Honolulu	Navy MFH Maloelap	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
531	Oahu	Honolulu	Navy MFH Marine Barracks	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
532	Oahu	Honolulu	Navy MFH Moanalua Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
533	Oahu	Honolulu	Navy MFH Ohana Military Communities ADMIN FILE	Medium	Response	Hazard Present	Ongoing	State
534	Oahu	Honolulu	Navy MFH Radford Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
535	Oahu	Honolulu	Navy MFH Red Hill Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
536	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing	State
537	Oahu	Honolulu	NOAA Daniel K. Inouye Regional Center	Low	Assessment	Hazard Undetermined	Ongoing	State
538	Oahu	Honolulu	Nuuanu Auto Company LTD	Low	Assessment	Hazard Undetermined	Ongoing	State
539	Oahu	Honolulu	Ohana Military Communities	Low	Assessment	Hazard Undetermined	Ongoing	State
540	Oahu	Honolulu	Paiea Redevelopment Property	Low	Assessment	Hazard Undetermined	Ongoing	State
541	Oahu	Honolulu	Pali Highway Lead Contamination	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
542	Oahu	Honolulu	Parking Lot C and J Transformer Replacement	Low	Response	Hazard Undetermined	Ongoing	State
543	Oahu	Honolulu	PHT, Inc. dba Polynesian Hospitality	Low	Response	Hazard Undetermined	Inactive	State
544	Oahu	Honolulu	Pier 12 and Pier 15 Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
545	Oahu	Honolulu	Pier 20 Dredge Project, Honolulu Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
546	Oahu	Honolulu	Pier 32-35 (Honolulu Harbor) Entrance Canal	Low	Assessment	Hazard Undetermined	Ongoing	State
547	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Hazard Present	Ongoing	State
548	Oahu	Honolulu	Punahou School Grades 2-5 Project	Medium	Response	Hazard Present	Ongoing	State
549	Oahu	Honolulu	Punahou School Winne Units C and D	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
550	Oahu	Honolulu	Radford High School Field & Athletic Complex	Medium	Response	Hazard Undetermined	Ongoing	State
551	Oahu	Honolulu	Ritz Carlton Waikiki Residence & Resort	Medium	Response	Hazard Present	Ongoing	State
552	Oahu	Honolulu	Roosevelt High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
553	Oahu	Honolulu	Sand Island Access Road Area-wide Petroleum Release	Medium	Assessment	Hazard Undetermined	Ongoing	State
554	Oahu	Honolulu	Sand Island Terminal	Medium	Response	Hazard Present	Ongoing	State
555	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing	State
556	Oahu	Honolulu	Servco Pacific, Inc- Kalihi	Low	Assessment	Hazard Undetermined	Inactive	State
557	Oahu	Honolulu	Shidler College of Business Site Improvements	Low	Assessment	Hazard Undetermined	Inactive	State
558	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Ongoing	State
559	Oahu	Honolulu	UH Kennedy Theater	Low	Assessment	Hazard Undetermined	Ongoing	State
560	Oahu	Honolulu	UH Manoa Henke Hall	Low	Response	Hazard Present	Ongoing	State
561	Oahu	Honolulu	University Laboratory School Buildings 1 and 2	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
562	Oahu	Honolulu	University of Hawaii Bilger Addition Compressor Room	Low	Assessment	Hazard Undetermined	Ongoing	State
563	Oahu	Honolulu	University of Hawaii Interchange	Low	Assessment	Hazard Undetermined	Ongoing	State
564	Oahu	Honolulu	University of Hawaii Marine Center Relocation Area Piers 34 and 35	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
565	Oahu	Honolulu	Vermiculite of Hawaii	Medium	Assessment	Hazard Undetermined	Ongoing	State
566	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive	State
567	Oahu	Honolulu	Wallys Garden Center	Low	Assessment	Hazard Present	Inactive	State
568	Oahu	Honolulu	Ward Center Parking Lot	Medium	Response	Hazard Present	Ongoing	State
569	Oahu	Honolulu	Ward Village Gateway Demolition and Parking Project	Low	Assessment	Hazard Undetermined	Ongoing	State
570	Oahu	Honolulu	Weyerhaeuser	High	Response	Hazard Managed With Engineering Controls	Inactive	State
571	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Hazard Present	Ongoing	State
572	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Hazard Undetermined	Ongoing	State
573	Oahu	Honolulu	Young Brothers, Ltd Piers 24-28	Medium	Response	Hazard Present	Ongoing	State
574	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Assessment	Hazard Undetermined	Ongoing	State
575	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
576	Oahu	Kahuku	Kahuku Arsenic Property	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
577	Oahu	Kahuku	Kahuku Medical Center UST	Low	Assessment	Hazard Undetermined	Ongoing	State
578	Oahu	Kahuku	Kahuku Radio Range	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
579	Oahu	Kahuku	Marconi Road - Contaminated Property	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
580	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing	State
581	Oahu	Kailua	Countryside Apartments	High	Response	Hazard Present	Ongoing	Fast Track
582	Oahu	Kailua	Hawaii Youth Correctional Facility	Low	Assessment	Hazard Present	Ongoing	State
583	Oahu	Kailua	Honolulu Skeet Club	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
584	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road	Low	Response	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
585	Oahu	Kailua	Kuulei Union Service #2706	Low	Assessment	Hazard Undetermined	Ongoing	State
586	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
587	Oahu	kakaako	Kakaako Transpacific Broadband Conduit	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
588	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Hazard Managed With Engineering Controls	Inactive	State
589	Oahu	Kaneohe	Hawaii State Hospital Goddard Building	NFA	Response	No Hazard	NFA	State
590	Oahu	Kaneohe	Koolau Chevron	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
591	Oahu	Kaneohe MCBH	Marines MFH MCBH Hana Like	Medium	Assessment	Hazard Undetermined	Ongoing	State
592	Oahu	Kaneohe MCBH	Marines MFH MCBH Hawaii Loa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
593	Oahu	Kaneohe MCBH	Marines MFH MCBH Heleloa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
594	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaluapuni	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
595	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaneohe ADMIN FILE	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
596	Oahu	Kaneohe MCBH	Marines MFH MCBH Kapoho	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
597	Oahu	Kaneohe MCBH	Marines MFH MCBH Mololani	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
598	Oahu	Kaneohe MCBH	Marines MFH MCBH Nani Ulupau	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
599	Oahu	Kaneohe MCBH	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
600	Oahu	Kaneohe MCBH	Marines MFH MCBH Ulupau	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
601	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Manning	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
602	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Mokapu Court	Medium	Assessment	Hazard Undetermined	Ongoing	State
603	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu NCO Row	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
604	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Rainbow	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
605	Oahu	Kapolei	Barge Harbor Soil Contamination	Medium	Assessment	Hazard Undetermined	Inactive	State
606	Oahu	Kapolei	Building 128 and Building 484, Bougainville Ave	Low	Assessment	Hazard Undetermined	Ongoing	State
607	Oahu	Kapolei	Campbell Industrial Park Areawide Stream/Canal Sediment Study	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
608	Oahu	Kapolei	Campbell Industrial Park, unknown petroleum smell	Low	Assessment	Hazard Undetermined	Ongoing	State
609	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery Tank Sludge	Medium	Assessment	Hazard Undetermined	Inactive	State
610	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive	State
611	Oahu	Kapolei	CoVan Warehouse	Low	Response	Hazard Present	Inactive	State
612	Oahu	Kapolei	D.R. Horton	Low	Assessment	Hazard Undetermined	Ongoing	State
613	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Inactive	Brownfields
614	Oahu	Kapolei	Grace Pacific Corporation - Kalaeloa HMA Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
615	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
616	Oahu	Kapolei	Hawaiian Western Steel Dump	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
617	Oahu	Kapolei	Honolulu Wood Treating Company	Low	Response	Hazard Undetermined	Ongoing	State
618	Oahu	Kapolei	Island Energy Kapolei Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
619	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive	State
620	Oahu	Kapolei	Kapolei Business Park Dumping	Low	Assessment	Hazard Undetermined	Ongoing	State
621	Oahu	Kapolei	PAR Refinery Manifold Kapolei	Low	Assessment	Hazard Undetermined	Ongoing	State
622	Oahu	Kapolei	Philip Services Hawaii Ltd (Allwaste)- Oil Recycling Plant	Low	Response	Hazard Undetermined	Ongoing	State
623	Oahu	Kapolei	Single Buoy Mooring	Low	Assessment	Hazard Undetermined	Ongoing	State
624	Oahu	Kapolei	Tileco, Inc	Medium	Response	Hazard Undetermined	Ongoing	State
625	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Ongoing	State
626	Oahu	Kunia	Del Monte Corporation Oahu Plantation	Low	Response	Hazard Managed With Engineering Controls	Ongoing	NPL
627	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present	Ongoing	State
628	Oahu	Kunia	Kunia Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
629	Oahu	Kunia	Kunia Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
630	Oahu	Laie	Kahawainui Stream Sediment Management	Low	Assessment	Hazard Undetermined	Ongoing	State
631	Oahu	Mali	84-Acre Portion of the Former Voice of America Site	Low	Response	Hazard Managed With Engineering Controls	NFA	State
632	Oahu	Mali	Hale Makana O Mali	Low	Assessment	Hazard Undetermined	Ongoing	State
633	Oahu	Mali	Ka Pua Learning Center	Low	Assessment	Hazard Undetermined	Ongoing	State

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019

	<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>
634	Oahu	Makaha	Makaha Valley Redevelopment	Low	Assessment	Hazard Undetermined	Ongoing	State
635	Oahu	Makakilo	Grace Pacific Corporation - Makakilo Quarry	Low	Assessment	Hazard Undetermined	Ongoing	VRP
636	Oahu	Mililani	Mililani Mauka Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
637	Oahu	Mililani	Mililani Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
638	Oahu	Mililani	Mililani Wells II	Low	Response	Hazard Undetermined	Ongoing	State
639	Oahu	Mililani	Unocal SS #7587	Low	Assessment	Hazard Undetermined	Ongoing	State
640	Oahu	Pearl City	406 Kamehameha Highway	Medium	Assessment	Hazard Present	Ongoing	State
641	Oahu	Pearl City	HART Banana Patch	Medium	Assessment	Hazard Undetermined	Ongoing	State
642	Oahu	Pearl City	HECO Generating Station: Waiau	Medium	Response	Hazard Present	Ongoing	State
643	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Present	Ongoing	State
644	Oahu	Pearl City	HECO Waiau Generating Station Unit 5 PCB Cleanup	Medium	Response	Hazard Present	Inactive	State
645	Oahu	Pearl City	Marines MFH Manana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
646	Oahu	Pearl City	Navy MFH Manana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
647	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
648	Oahu	Pearl City	Noble's Auto Transmission	Low	Response	Hazard Present	Ongoing	State
649	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
650	Oahu	Pearl City	RHS Lee	Low	Assessment	Hazard Undetermined	Ongoing	State
651	Oahu	Pearl City	RHS Lee Baseyard Northern Area	Low	Response	Hazard Present	Ongoing	State
652	Oahu	Pearl City	RHS Lee Baseyard Southern Area	Low	Response	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
653	Oahu	Pearl City	RHS Lee Baseyard Waiawa Stream Bank Areas	Medium	Response	Hazard Undetermined	Ongoing	State
654	Oahu	Pearl City	RHS Lee Baseyard Western Area	NFA	Response	No Hazard	NFA	State
655	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Hazard Undetermined	Ongoing	State
656	Oahu	Pearl City	Waimano Home Campus	Low	Assessment	Hazard Managed With Engineering Controls	Inactive	Brownfields Site
657	Oahu	Pearl Harbor	Bravo 1 release	Low	Assessment	Hazard Undetermined	Ongoing	State
658	Oahu	Pearl Harbor	Navy Base - Pearl Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State
659	Oahu	Pearl Harbor	Pearl Harbor Naval Complex	Medium	Response	Hazard Undetermined	Ongoing	NPL
660	Oahu	Pearl Harbor	Pearl Harbor Sediment Study DU E-2	High	Assessment	Hazard Present	Ongoing	State
661	Oahu	Sand Island	Former Bills Crane Service Inc	Low	Assessment	Hazard Undetermined	Ongoing	State
662	Oahu	Schofield Barracks	Army MFH SB Akolea	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
663	Oahu	Schofield Barracks	Army MFH SB Aloala	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
664	Oahu	Schofield Barracks	Army MFH SB Canby	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
665	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
666	Oahu	Schofield Barracks	Army MFH SB Hamilton	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
667	Oahu	Schofield Barracks	Army MFH SB Kaena	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
668	Oahu	Schofield Barracks	Army MFH SB Leader Field	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
669	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
670	Oahu	Schofield Barracks	Army MFH SB Moyer	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
671	Oahu	Schofield Barracks	Army MFH SB Patriot	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
672	Oahu	Schofield Barracks	Army MFH SB Porter	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
673	Oahu	Schofield Barracks	Army MFH SB Ralston	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
674	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
675	Oahu	Schofield Barracks	Army MFH SB Solomon	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
676	Oahu	Statewide	DOE Statewide School Study	Low	Assessment	Hazard Undetermined	Ongoing	State
677	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
678	Oahu	Wahiawa	Del Monte Wahiawa Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
679	Oahu	Wahiawa	Dole Company Wahiawa Pesticide Mixing Area	Medium	Response	Hazard Present	Ongoing	Site Discovery
680	Oahu	Wahiawa	Helemano Military Reservation	Low	Response	Hazard Undetermined	Ongoing	State
681	Oahu	Wahiawa	Helemano Wilderness Area Firing Ranges	Low	Assessment	Hazard Undetermined	Ongoing	State
682	Oahu	Wahiawa	Leilehua High School Firing Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
683	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
684	Oahu	Wahiawa	NCTAMSPAC Center Street	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	NPL
685	Oahu	Wahiawa	Used oil AST leaked due to tree growth	Low	Assessment	Hazard Undetermined	Ongoing	State
686	Oahu	Waialua	Dillingham Airfield and Gliderport	Low	Assessment	Hazard Undetermined	Ongoing	State
687	Oahu	Waialua	Waialua Sugar Company Inc	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
688	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	VRP
689	Oahu	Waialua	Waialua Sugar Mill VRP Site	High	Response	Hazard Managed With Engineering Controls	NFA	VRP
690	Oahu	Waianae	Grace Pacific Farrington Highway Waianae	Low	Assessment	Hazard Undetermined	Ongoing	State
691	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing	State
692	Oahu	Waianae	Waianae Elementary School diesel UST	Low	Assessment	Hazard Present	Ongoing	State
693	Oahu	Waianae	Waianae High School Outdoor Air Rifle Range	Low	Response	Hazard Undetermined	Ongoing	State
694	Oahu	Waianae	Waianae Sugar Company Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
695	Oahu	Waikiki	Waikiki Kuhio Collection	Low	Assessment	Hazard Undetermined	Ongoing	State
696	Oahu	Wailua	KiiKii Stream Maintenance Dredging	Low	Response	Hazard Present	Ongoing	State
697	Oahu	Waimanalo	Air Force MFH Bellows Renovation	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
698	Oahu	Waimanalo	Kuni's Chevron Service	Low	Assessment	Hazard Undetermined	Ongoing	State
699	Oahu	Waimanalo	University of Hawaii Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive	State
700	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive	State

HSRP LIST OF PRIORITY SITES FY2019

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2019								
	<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>
701	Oahu	Waimanalo	Waimanalo Sugar Company PMA	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
702	Oahu	Waipahu	94-250 Mokuola St	Low	Assessment	Hazard Present	Ongoing	State
703	Oahu	Waipahu	Clover Sinkers Lead Weight Manufacturing	Medium	Response	Hazard Present	Ongoing	State
704	Oahu	Waipahu	Hans Metalsf	Low	Response	Hazard Undetermined	Ongoing	State
705	Oahu	Waipahu	Honolulu Rail Transit Project - Farrington Guideway Segment	Low	Assessment	Hazard Undetermined	Ongoing	State
706	Oahu	Waipahu	Kaleiopuuu Elementary School Expansion	Low	Assessment	Hazard Undetermined	Ongoing	State
707	Oahu	Waipahu	Navy MFH Ford Island	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
708	Oahu	Waipahu	Oahu Sugar Company - Seed Vat	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
709	Oahu	Waipahu	Waipahu Dry Cleaners	Medium	Response	Hazard Present	Ongoing	State
710	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
711	Oahu	Waipio	Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula	Low	Assessment	Hazard Undetermined	Ongoing	State
712	Oahu	Wheeler AAF	Army MFH WAAF Kunia	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
713	Oahu	Wheeler AAF	Army MFH WAAF Puali North	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
714	Oahu	Wheeler AAF	Army MFH WAAF Puali South	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
715	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 FY2019								
	<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		Air Force, Hilo Air National Guard						
	Hawaii	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		Army, Corps of Engineers	FUDS Kilauea Military Camp (Hawaii Volcanoes National Park)					
	Hawaii	Engineers		Low	Assessment	Hazard Undetermined	Inactive	FUDS
12	Hawaii	Army, Corps of Engineers	FUDS Kionoole Camp (Waiakea)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
13	Hawaii	Army, Corps of Engineers	FUDS Mahukona Range	Low	Assessment	Hazard Present	Ongoing	FUDS
14	Hawaii	Army, Corps of Engineers	FUDS Nansay Hawaii	Low	Assessment	Hazard Present	Ongoing	FUDS
15	Hawaii	Army, Corps of Engineers	FUDS Pakini Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
16	Hawaii	Army, Corps of Engineers	FUDS Quartermaster Bakery (Kamuela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
17	Hawaii	Army, Corps of Engineers	FUDS Upolu Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
18	Hawaii	Army, Corps of Engineers	FUDS Wahine Maka Nui Target	Low	Assessment	Hazard Present	Ongoing	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
19	Hawaii	Army, Corps of Engineers	FUDS Waiakea Forest Reserve	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
20	Hawaii	Army, Corps of Engineers	FUDS Waiakea Storage Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
21	Hawaii	Army, Corps of Engineers	FUDS Waianuenue Camp (Hilo)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
22	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area	Medium	Response	Hazard Present	Ongoing	FUDS
23	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 15	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
24	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 16 A, B, C, D, E	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
25	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 17 A, B, C, E, F	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
26	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area 17 D	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
27	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area A	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
28	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area B	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
29	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area C	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
30	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area D	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
31	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area E	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
32	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area F	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
33	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area G	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
34	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area H	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
35	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area I	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
36	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area J	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
37	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area K	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
38	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area L	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
39		Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area M	Medium	Response	Hazard Present	Ongoing	DSMOA
40	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area N	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
41		Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area O	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
42	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area P	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
43		Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area P, Kaialulu O Waikoloa	NFA	Response	Hazard Managed With Institutional Controls	NFA	FUDS
44	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area P, Kamakoa Nui	NFA	Response	Hazard Managed With Institutional Controls	NFA	FUDS
45		Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area P, Waikoloa Family Affordable Parcels	NFA	Response	Hazard Managed With Institutional Controls	NFA	FUDS
46	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area Q	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
47		Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area R	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
48	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area, Area T	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
49		Army, Kilauea Military Camp	Kilauea Military Camp	Low	Assessment	Hazard Undetermined	Ongoing	IRP
50	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, Old Transformer Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
51		Army, Kilauea Military Camp	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
52	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
53		Army, Pohakuloa Training Area	Pohakuloa Training Area MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
54	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area Range Facility	Low	Assessment	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
55	Hawaii	Army, Pohakuloa Training Area	Medium	Assessment	Hazard Present	Ongoing	MMRP
56		Humuula Sheet Station West (PTA-001-R-01)					
57	Hawaii	Army, Pohakuloa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
58		Pohakuloa Training Area, Kulani Boys' Home (PTA-002-R-01)					
59	Hawaii	Army, Pohakuloa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
60		Pohakuloa Training Area, Kulani Boys' Home Burn Pile (PTA-002-R-02)					
61	Hawaii	Army, Pohakuloa Training Area	Low	Response	Hazard Present	Ongoing	MMRP
62		Pohakuloa Training Area, Pu'u Pa'a					
63	Hawaii	Army, Pohakuloa Training Area	Low	Assessment	Hazard Undetermined	Inactive	MMRP
64		Pohakuloa Training Area, Vehicle Refueling Area					
65	Johnston Atoll	Army, Johnston Atoll	Low	Assessment	Hazard Undetermined	Ongoing	Army
66	Kahoolawe	Navy, Marine Corps	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
67		Air Force, Kokee Air Force Station					
68	Kauai	Force Station	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
69		Kokee Air Force Station					
70	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
71		FUDS 1st Station Hospital					
72	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Present	Ongoing	FUDS
73		FUDS Ahukini					
74	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
75		FUDS Anahola- Moloaa Artillery Impact Area					
76	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
77		FUDS Bonham Air Force Base					
78	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
79		FUDS Division Headquarters (Kalaheo)					
80	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
81		FUDS Eleele Quartermaster Station					
82	Kauai	Army, Corps of Engineers	Low	Response	Hazard Managed With Engineering Controls	Ongoing	FUDS
83		FUDS Grove Farm Artillery Range, Kauai					
84	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
85		FUDS Kapaa Division Training Camp					
86	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
87		FUDS Kauai Amphibious Training Center					
88	Kauai	Army, Corps of Engineers	Low	Assessment	Hazard Undetermined	Inactive	FUDS
89		FUDS Kekaha Military Reservation					

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
73	Kauai	Army, Corps of Engineers	FUDS Kekaha School Lot	Low	Assessment	Hazard Undetermined	Inactive	FUDS
74	Kauai	Army, Corps of Engineers	FUDS Koloa Bakery	Low	Assessment	Hazard Undetermined	Inactive	FUDS
75	Kauai	Army, Corps of Engineers	FUDS Koloa Ice Plant	Low	Assessment	Hazard Undetermined	Inactive	FUDS
76	Kauai	Army, Corps of Engineers	FUDS Puulani Radar Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
77	Kauai	Army, Corps of Engineers	FUDS Wailua Aeroplane Landing Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
78	Kauai	Army, Corps of Engineers	FUDS Wailua Rifle Range	Low	Assessment	Hazard Undetermined	Inactive	FUDS
79	Kauai	Army, Corps of Engineers	FUDS Waimea Crash Boat Base	Low	Assessment	Hazard Undetermined	Inactive	FUDS
80	Kauai	Army, Corps of Engineers	FUDS Waimea School	Low	Assessment	Hazard Undetermined	Inactive	FUDS
81	Kauai	Army, Corps of Engineers	FUDS Waimea Training Site	Medium	Assessment	Hazard Present	Ongoing	FUDS
82	Kauai	Navy, Pacific Missile Range Facility	Pacific Missile Range Facility	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
83	Kauai	Navy, Pacific Missile Range Facility	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard Undetermined	Ongoing	IRP
84	Kauai	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard Undetermined	Inactive	IRP
85	Kauai	Navy, Pacific Missile Range Facility	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined	Inactive	IRP
86	Kauai	Navy, Pacific Missile Range Facility	PMRF, Landfills 5, 6, & 7	Medium	Response	Hazard Undetermined	Ongoing	IRP
87	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Hulopoe Bay	Medium	Assessment	Hazard Present	Ongoing	FUDS
88	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Kaena Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
89	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Keanapapa Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
90	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Target Manele Bay	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
91	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
92	Lanai	Army, Corps of Engineers	FUDS Lanai Radar Station	Low	Response	Hazard Present	Ongoing	FUDS
93	Maui	Air Force, Maui Satellite Tracking Station	Maui Satellite Tracking Site	Low	Assessment	Hazard Undetermined	Ongoing	IRP
94	Maui	Army, Corps of Engineers	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present	Ongoing	FUDS
95	Maui	Army, Corps of Engineers	FUDS Haiku Marine Camp	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
96	Maui	Army, Corps of Engineers	FUDS Haleakala Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
97	Maui	Army, Corps of Engineers	FUDS Kailua Radar System (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
98	Maui	Army, Corps of Engineers	FUDS Kane Puu Naval Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
99	Maui	Army, Corps of Engineers	FUDS Makawao Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
100	Maui	Army, Corps of Engineers	FUDS Marine Combat Course (Pauwela)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
101	Maui	Army, Corps of Engineers	FUDS Marine Maneuver Area (Keanae)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
102	Maui	Army, Corps of Engineers	FUDS Marine Oil Storage (Haiku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
103	Maui	Army, Corps of Engineers	FUDS Marine Training Activities (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
104	Maui	Army, Corps of Engineers	FUDS Maui Airport, Puunene Landfill	Low	Response	Hazard Undetermined	Ongoing	DSMOA
105	Maui	Army, Corps of Engineers	FUDS Maui Bombing Target Kanahena Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
106	Maui	Army, Corps of Engineers	FUDS Maui Bombing Target Kanounou Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
107	Maui	Army, Corps of Engineers	FUDS Maui Combat Base Training (Ulupalakua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
108	Maui	Army, Corps of Engineers	FUDS Naval Air Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
109	Maui	Army, Corps of Engineers	FUDS Navy Military Activities Haiku Maui	Low	Assessment	Hazard Undetermined	Inactive	FUDS
110	Maui	Army, Corps of Engineers	FUDS Navy Military Reservation (Kahului)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
111	Maui	Army, Corps of Engineers	FUDS Opana Point	Medium	Response	Hazard Present	Ongoing	FUDS
112	Maui	Army, Corps of Engineers	FUDS Peahi Marine Firing Range	Low	Assessment	Hazard Undetermined	Inactive	FUDS
113	Maui	Army, Corps of Engineers	FUDS The Tradewinds (Paia)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
114	Maui	Army, Corps of Engineers	FUDS Waipio Bombing Targets (Hamakualoa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
115	Maui	Army, Corps of Engineers	HIARNG, Kanaio Local Training Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
116	Molokai	Army, Corps of Engineers	FUDS Ilio Point	Medium	Assessment	Hazard Undetermined	Ongoing	FUDS
117	Molokai	Army, Corps of Engineers	FUDS Ilio Point Annex	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
118	Molokai	Army, Corps of Engineers	FUDS Makanalua Bombing Range	Low	Response	Hazard Present	Ongoing	FUDS
119	Molokai	Army, Corps of Engineers	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
120	Molokai	Army, Corps of Engineers	FUDS Molokai Bombing Targets - Punakua	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
121	Molokai	Army, Corps of Engineers	FUDS Moomomi Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
122	Molokai	Army, Corps of Engineers	FUDS Papohaku Ranchland Subdivision	High	Response	Hazard Managed With Institutional Controls	Ongoing	FUDS
123	Molokai	Army, Corps of Engineers	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present	Ongoing	FUDS
124	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined	Ongoing	IRP
125	Oahu	Air Force, Bellows Air Force Station	Bellows AFS Marine Corps Training Area Parcel 5C	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
126	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large Bomb Range	Low	Assessment	Hazard Present	Ongoing	MMRP
127	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
128	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present	Ongoing	MMRP
129	Oahu	Air Force, Bellows Air Force Station	Bellows Air Force Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<u>Island</u>	<u>Installation</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards and Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
130	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
131	Oahu	Air Force, Fort Kamehameha	Hickam AFB ST20, Subsite F-708	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
132	Oahu	Air Force, Hickam Air Force Base	HAFB Unknown Source Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
133	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC EA22, Wash Racks/Bldg 2025 and near Bldg 1055	Low	Assessment	Hazard Undetermined	Inactive	IRP
134	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
135	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA11 Old HIANG Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
136	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Building 1204	Low	Assessment	Hazard Undetermined	Inactive	IRP
137	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Elementary School Library	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
138	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, Former Skeet Ranges	Low	Response	Hazard Present	Ongoing	MMRP
139	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, MRS TS001 Hickam Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
140	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
141	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
142	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Hazard Present	Ongoing	MMRP
143	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present	Ongoing	MMRP
144	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Multiple AOCs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
145	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST01, 922A	Low	Response	Hazard Undetermined	Ongoing	DSMOA
146	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST01, Subsite F-Navy Barracks	Low	Assessment	Hazard Undetermined	Ongoing	IRP
147	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, 3190B	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program	
148	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-503	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
149	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-525	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
150	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-526	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
151	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-528	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
152	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-530	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
153	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-531	Low	Assessment	Hazard Undetermined	Ongoing	IRP
154	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-540	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
155	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542	Low	Assessment	Hazard Undetermined	Ongoing	IRP
156	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-542B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
157	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
158	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-543B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
159	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
160	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-544B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
161	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-548	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
162	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
163	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-549B	Low	Assessment	Hazard Undetermined	Ongoing	IRP
164	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-552FK	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
165	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-554FK	Low	Assessment	Hazard Undetermined	Ongoing	IRP
166	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-558	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
167	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-563A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
168	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-703	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
169	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-704	Low	Assessment	Hazard Undetermined	Ongoing	IRP
170	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-705	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
171	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-707	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
172	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-709	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
173	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-711	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
174	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-712	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
175	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-713	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
176	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-714	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
177	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-715	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
178	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-721	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
179	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, F-752	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
180	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-701	Low	Assessment	Hazard Undetermined	Ongoing	IRP
181	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-722	Low	Assessment	Hazard Undetermined	Ongoing	IRP
182	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, Subsite F-724	Low	Assessment	Hazard Undetermined	Ongoing	IRP
183	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, F-126A	Low	Assessment	Hazard Undetermined	Ongoing	IRP
184	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 215	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
185	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 940	Low	Response	Hazard Present	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
186	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, East of Building 1046	Low	Assessment	Hazard Undetermined	Ongoing IRP
187	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite F-175	Low	Assessment	Hazard Undetermined	Ongoing IRP
188	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1113	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
189	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1132	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
190	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Vickers Avenue USTs	Medium	Response	Hazard Present	Ongoing IRP
191	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite F-244	Low	Assessment	Hazard Undetermined	Ongoing IRP
192	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Clean Water Rinse Facility	Low	Assessment	Hazard Present	Ongoing IRP
193	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, F-180	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
194	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Subsite 2184	Low	Response	Hazard Present	Ongoing DSMOA
195	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-17-2105	Low	Assessment	Hazard Undetermined	Ongoing IRP
196	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-1808	Low	Assessment	Hazard Undetermined	Ongoing IRP
197	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-20-2105	Low	Response	Hazard Undetermined	Ongoing IRP
198	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, F-21B	Medium	Assessment	Hazard Undetermined	Ongoing DSMOA
199	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 2072 UST	Low	Response	Hazard Present	Ongoing IRP
200	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Foster Point Seawall	Low	Assessment	Hazard Undetermined	Ongoing IRP
201	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Subsurface Fuel Plume	Low	Assessment	Hazard Undetermined	Ongoing IRP
202	Oahu	Air Force, Hickam Air Force Base	Hickam Former Building 2156 AST	Low	Assessment	Hazard Present	Ongoing IRP
203	Oahu	Air Force, Hickam Air Force Base	Waiawa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined	Inactive IRP
204	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point Satellite Tracking Station	Low	Assessment	Hazard Undetermined	Ongoing IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
205	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA06	Low	Assessment	Hazard Undetermined	Ongoing	IRP
206		Oahu						
207	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT501 Building 21	Low	Assessment	Hazard Undetermined	Ongoing	IRP
208		Oahu						
209	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS OT503	Low	Assessment	Hazard Undetermined	Ongoing	IRP
210		Oahu						
211	Oahu	Air Force, Palehua Solar Observatory	Palehua Solar Observatory	Low	Assessment	Hazard Undetermined	Ongoing	IRP
212	Oahu	Army	DOD US Army	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
213	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	IRP
214		Oahu						
215	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined	Inactive	IRP
216		Oahu						
217	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Kipapa Ammo Storage Tunnels Legal Pesticide Application	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
218		Oahu						

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
219	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
220		Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammunitions Storage Tunnel MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
221	Oahu	Army, Corps of Engineers	FUDS 218th General Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
222	Oahu	Army, Corps of Engineers	FUDS 220th Signal Depot (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
223	Oahu	Army, Corps of Engineers	FUDS 230th Station Hospital (Kaneohe)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
224	Oahu	Army, Corps of Engineers	FUDS 26th Station Hospital	Low	Assessment	Hazard Undetermined	Inactive	IRP
225	Oahu	Army, Corps of Engineers	FUDS 364th Ordnance Company	Low	Assessment	Hazard Undetermined	Inactive	FUDS
226	Oahu	Army, Corps of Engineers	FUDS 41st Coast Artillery Camp	Low	Assessment	Hazard Undetermined	Inactive	FUDS
227	Oahu	Army, Corps of Engineers	FUDS Aiea AAA Command Post	Low	Assessment	Hazard Undetermined	Inactive	FUDS
228	Oahu	Army, Corps of Engineers	FUDS Ala Wai Field	Low	Assessment	Hazard Undetermined	Inactive	FUDS
229	Oahu	Army, Corps of Engineers	FUDS Alewa Height Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
230	Oahu	Army, Corps of Engineers	FUDS Amphibious Training Camp	Low	Assessment	Hazard Undetermined	Inactive	FUDS
231	Oahu	Army, Corps of Engineers	FUDS Apollo Bore Site Tower	Low	Assessment	Hazard Undetermined	Inactive	FUDS
232	Oahu	Army, Corps of Engineers	FUDS Ashley Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
233	Oahu	Army, Corps of Engineers	FUDS Asphalt Plant (Wheeler)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
234	Oahu	Army, Corps of Engineers	FUDS Barbers Point Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
235	Oahu	Army, Corps of Engineers	FUDS Base Yard No. 6 (Waikiki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
236	Oahu	Army, Corps of Engineers	FUDS Battery Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
237	Oahu	Army, Corps of Engineers	FUDS Battery Forrest J. French	Low	Assessment	Hazard Undetermined	Inactive	FUDS
238	Oahu	Army, Corps of Engineers	FUDS Battery George W. Ricker	Low	Assessment	Hazard Undetermined	Inactive	FUDS
239	Oahu	Army, Corps of Engineers	FUDS Battery Louis R. Burgess (Salt Lake)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
240	Oahu	Army, Corps of Engineers	FUDS Battery Punchbowl	Low	Assessment	Hazard Undetermined	Inactive	FUDS
241	Oahu	Army, Corps of Engineers	FUDS Battery Selfridge (Fort Kamehameha)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
242	Oahu	Army, Corps of Engineers	FUDS Battery Willy (Waialae Iki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
243	Oahu	Army, Corps of Engineers	FUDS Brown's Camp Military Reservation (Ko Olina Resort)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
244	Oahu	Army, Corps of Engineers	FUDS Camp Beaumont (Nanakuli)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
245	Oahu	Army, Corps of Engineers	FUDS Campbell Gulch Ammunition Storage (Kunia)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
246	Oahu	Army, Corps of Engineers	FUDS Center Combat Range	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
247	Oahu	Army, Corps of Engineers	FUDS Coconut Island	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
248	Oahu	Army, Corps of Engineers	FUDS Damon Fish Ponds	Low	Assessment	Hazard Undetermined	Inactive	FUDS
249	Oahu	Army, Corps of Engineers	FUDS Damon Tract Shop Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
250	Oahu	Army, Corps of Engineers	FUDS Dawn Star System	Low	Assessment	Hazard Undetermined	Inactive	FUDS
251	Oahu	Army, Corps of Engineers	FUDS Diamond Head Ammunition Storage (Diamond Head Reservation)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
252	Oahu	Army, Corps of Engineers	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present	Ongoing	FUDS
253	Oahu	Army, Corps of Engineers	FUDS Dillingham Base Yard	Low	Assessment	Hazard Undetermined	Inactive	FUDS
254	Oahu	Army, Corps of Engineers	FUDS Dillingham Storage Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
255	Oahu	Army, Corps of Engineers	FUDS Dr. Simon's Projects (Various Locations)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
256	Oahu	Army, Corps of Engineers	FUDS Drum Fill Plant (Kipapa Gulch)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
257	Oahu	Army, Corps of Engineers	FUDS Engineer Power Plants	Low	Assessment	Hazard Undetermined	Inactive	FUDS
258	Oahu	Army, Corps of Engineers	FUDS Ewa Beach Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
259	Oahu	Army, Corps of Engineers	FUDS Ewa Church Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
260	Oahu	Army, Corps of Engineers	FUDS Ewa Storage Tank (Pearl City)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
261	Oahu	Army, Corps of Engineers	FUDS Former Naval Ammunition Depot (NAD) Lualualei	Low	Assessment	Hazard Undetermined	Inactive	FUDS
262	Oahu	Army, Corps of Engineers	FUDS Former Navy Supply Center	Low	Assessment	Hazard Undetermined	Inactive	FUDS
263	Oahu	Army, Corps of Engineers	FUDS Fort Armstrong Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
264	Oahu	Army, Corps of Engineers	FUDS Fort Hase Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
265	Oahu	Army, Corps of Engineers	FUDS Fort Kamehameha	Low	Assessment	Hazard Undetermined	Inactive	FUDS
266	Oahu	Army, Corps of Engineers	FUDS Haiku Radio Station	High	Response	Hazard Present	Ongoing	FUDS
267	Oahu	Army, Corps of Engineers	FUDS Heeia Combat Training Camp	High	Response	Hazard Present	Ongoing	DSMOA
268	Oahu	Army, Corps of Engineers	FUDS Kahuku Training Area	Low	Assessment	Hazard Present	Ongoing	FUDS
269	Oahu	Army, Corps of Engineers	FUDS Kaukonahua Storage Annex (Waipio)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
270	Oahu	Army, Corps of Engineers	FUDS Keaahala Military Reservation (Kaneohe District Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
271	Oahu	Army, Corps of Engineers	FUDS Kewalo Basin Gun Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
272	Oahu	Army, Corps of Engineers	FUDS Kipapa Ammunition Storage Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
273	Oahu	Army, Corps of Engineers	FUDS Koko Crater Radar Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
274	Oahu	Army, Corps of Engineers	FUDS Koko Head Medical Center (Koko Head District Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
275	Oahu	Army, Corps of Engineers	FUDS Kokololio Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
276	Oahu	Army, Corps of Engineers	FUDS Kualoa Airfield	Low	Assessment	Hazard Undetermined	Inactive FUDS
277	Oahu	Army, Corps of Engineers	FUDS Kuwili Park Military Reservation (Iwilei)	Low	Assessment	Hazard Undetermined	Inactive FUDS
278	Oahu	Army, Corps of Engineers	FUDS Laie Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
279	Oahu	Army, Corps of Engineers	FUDS Makalapa Crater Navy Salvage Yard	Low	Assessment	Hazard Undetermined	Ongoing FUDS
280	Oahu	Army, Corps of Engineers	FUDS Makapuu Light House	Low	Assessment	Hazard Present	Ongoing FUDS
281	Oahu	Army, Corps of Engineers	FUDS Makapuu Point Radar Station/Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS
282	Oahu	Army, Corps of Engineers	FUDS Marconi Impact Area	Low	Assessment	Hazard Undetermined	Inactive FUDS
283	Oahu	Army, Corps of Engineers	FUDS Marine Reservation (Kula)	Low	Assessment	Hazard Undetermined	Inactive FUDS
284	Oahu	Army, Corps of Engineers	FUDS Nike No. 1 (Dillingham Military Reservation)	Low	Assessment	Hazard Undetermined	Inactive FUDS
285	Oahu	Army, Corps of Engineers	FUDS Nike Sites 3 & 4 (Bellows AFS)	Low	Assessment	Hazard Undetermined	Inactive FUDS
286	Oahu	Army, Corps of Engineers	FUDS Oahu Target Island	Medium	Response	Hazard Managed With Institutional Controls	Ongoing DSMOA
287	Oahu	Army, Corps of Engineers	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Hazard Present	Ongoing FUDS
288	Oahu	Army, Corps of Engineers	FUDS Overseas Assembly Yard	Low	Assessment	Hazard Undetermined	Inactive FUDS
289	Oahu	Army, Corps of Engineers	FUDS Pacific Jungle Combat Training Area	High	Response	Hazard Present	Ongoing FUDS
290	Oahu	Army, Corps of Engineers	FUDS Puuiki Military Reservation (Waialua)	Low	Assessment	Hazard Undetermined	Inactive FUDS
291	Oahu	Army, Corps of Engineers	FUDS Puuloa Road	Low	Assessment	Hazard Undetermined	Inactive FUDS
292	Oahu	Army, Corps of Engineers	FUDS Puuloa-Ex NAS Barbers Point	Low	Assessment	Hazard Undetermined	Ongoing FUDS
293	Oahu	Army, Corps of Engineers	FUDS Puu-O-Hulu Military Reservation	Low	Assessment	Hazard Undetermined	Inactive FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
294	Oahu	Army, Corps of Engineers	FUDS Quartermaster Battalion (Kalihi)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
295		Army, Corps of Engineers	FUDS Rabbit Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
296	Oahu	Army, Corps of Engineers	FUDS Range D-400-L	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
297	Oahu	Army, Corps of Engineers	FUDS Red Hill Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
298	Oahu	Army, Corps of Engineers	FUDS Round Top Military Reservation (Makiki)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
299	Oahu	Army, Corps of Engineers	FUDS Sacred Hearts Academy	Low	Assessment	Hazard Undetermined	Inactive	FUDS
300	Oahu	Army, Corps of Engineers	FUDS Sand Island Asphalt Plant	Low	Assessment	Hazard Undetermined	Inactive	FUDS
301	Oahu	Army, Corps of Engineers	FUDS Sand Island Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
302	Oahu	Army, Corps of Engineers	FUDS Site 3 Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS
303	Oahu	Army, Corps of Engineers	FUDS Site 3A Offshore	Low	Assessment	Hazard Undetermined	Inactive	FUDS
304	Oahu	Army, Corps of Engineers	FUDS St. Louis College (Kalaepohaku)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
305	Oahu	Army, Corps of Engineers	FUDS Sugar Loaf Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
306	Oahu	Army, Corps of Engineers	FUDS Transportation Service Area No. 1 (Downtown)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
307	Oahu	Army, Corps of Engineers	FUDS Underground Fuel Storage (Red Hill)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
308	Oahu	Army, Corps of Engineers	FUDS Wahiawa School	Low	Assessment	Hazard Undetermined	Inactive	FUDS
309	Oahu	Army, Corps of Engineers	FUDS Waianae Aircraft Warning Service (AWS)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
310	Oahu	Army, Corps of Engineers	FUDS Waianae Amphibious Training (Waianae Kai)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
311	Oahu	Army, Corps of Engineers	FUDS Waiau Drum Storage	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
312	Oahu	Army, Corps of Engineers	FUDS Waiawa Gulch Aviation Supply (Pearl City Industrial Park)	Low	Assessment	Hazard Undetermined	Inactive	FUDS

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
313	Oahu	Army, Corps of Engineers	FUDS Waiawa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
314	Oahu	Army, Corps of Engineers	FUDS Wailua Artillery Impact Area	Medium	Assessment	Hazard Present	Ongoing	FUDS
315	Oahu	Army, Corps of Engineers	FUDS Wailua Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
316	Oahu	Army, Corps of Engineers	FUDS Waimea Bay Gun Site	Low	Assessment	Hazard Undetermined	Inactive	FUDS
317	Oahu	Army, Corps of Engineers	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present	Ongoing	FUDS
318	Oahu	Army, Corps of Engineers	FUDS Waipio Hospital	Low	Assessment	Hazard Undetermined	Inactive	FUDS
319	Oahu	Army, Corps of Engineers	FUDS Waipio Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	FUDS
320	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Manana)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
321	Oahu	Army, Corps of Engineers	FUDS War Reserve Gasoline System (Waiawa)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
322	Oahu	Army, Corps of Engineers	FUDS Warehouse No. 3&4 (Honolulu)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
323	Oahu	Army, Corps of Engineers	FUDS Wilhelmina Rise Fire Control Station	Low	Assessment	Hazard Undetermined	Inactive	FUDS
324	Oahu	Army, Corps of Engineers	FUDS Yokohama Specie Bank Building	Low	Assessment	Hazard Undetermined	Inactive	FUDS
325	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
326	Oahu	Army, Dillingham Military Reservation	FUDS Battery Carroll G. Riggs (Waialua)	Low	Assessment	Hazard Undetermined	Inactive	FUDS
327	Oahu	Army, Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined	Inactive	IRP
328	Oahu	Army, Fort DeRussy	Transformers by Building T-111 and 2058 Maluhia Road, Ft. DeRussy	Low	Assessment	Hazard Undetermined	Ongoing	IRP
329	Oahu	Army, Fort Shafter	Fort Shafter KGU Radio Station Transmitter Tower	Low	Assessment	Hazard Undetermined	Ongoing	IRP
330	Oahu	Army, Fort Shafter	Fort Shafter, DRILL Field, Pistol Range, and Rifle Ranges 1 & 2	Low	Response	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
331		Former Kapalama Military Reservation Piers 39 and 40			Hazard		
Oahu	Army, Kapalama Military Reservation	Pipelines	Low	Assessment	Undetermined	Ongoing	FUDS
332		FUDS Kahuku Airfield Military Reservation			Hazard		
Oahu	Army, Kapalama Military Reservation	Kapalama Military Reservation	Low	Assessment	Undetermined	Ongoing	FUDS
333		South Oahu Location			Hazard		
Oahu	Army, Kapalama Military Reservation	South Oahu Location	Low	Assessment	Undetermined	Ongoing	DSMOA
334		Kipapa Gulch Army Installation			Hazard		
Oahu	Army, Kipapa Gulch	Kipapa Gulch Army Installation	Low	Assessment	Undetermined	Ongoing	FUDS
335		Kunia Field Station			Hazard		
Oahu	Army, Kunia Military Reservation	Kunia Field Station	Low	Assessment	Undetermined	Ongoing	IRP
336		Kunia Field Station at Kunia Gate			Hazard		
Oahu	Army, Kunia Military Reservation	Kunia Field Station at Kunia Gate	Low	Assessment	Undetermined	Ongoing	IRP
337		Tower & Building 25			Hazard		
Oahu	Army, Kunia Military Reservation	Tower & Building 25	Low	Assessment	Undetermined	Ongoing	IRP
338		MMRP MAKU-004-R-01			Hazard		
Oahu	Army, Makua Military Reservation	MMRP MAKU-004-R-01	Low	Assessment	Undetermined	Inactive	DSMOA
339		MMRP Plateau			Hazard		
Oahu	Army, Makua Military Reservation	MMRP Plateau	Low	Assessment	Undetermined	Ongoing	MMRP
340		Ordinance Reef Site HI-06			Hazard		
Oahu	Army, Pokai Bay	Ordinance Reef Site HI-06	Low	Assessment	Undetermined	Ongoing	MMRP
341		Building Quad-J			Hazard		
Oahu	Army, Schofield Barracks	Building Quad-J	Low	Assessment	Undetermined	Ongoing	Army
342		Schofield Barracks Building 1087			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks Building 1087	Low	Assessment	Undetermined	Ongoing	IRP
343		Schofield Barracks Building 589			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks Building 589	Low	Assessment	Undetermined	Ongoing	DSMOA
344		Schofield Barracks East Range			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks East Range	Low	Assessment	Undetermined	Ongoing	MMRP
345		Academy Building 6055			Hazard		
Oahu	Army, Schofield Barracks	Academy Building 6055	Low	Assessment	Undetermined	Ongoing	IRP
346		Schofield Barracks Site 26 Car Care			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks Site 26 Car Care	Low	Assessment	Undetermined	Inactive	IRP
347		Schofield Barracks, Site A-100-L-2			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2	Low	Assessment	Undetermined	Ongoing	MMRP
348		Schofield Barracks, Small Bore Range			Hazard		
Oahu	Army, Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Undetermined	Ongoing	MMRP
349		Academy Building			Hazard		
Oahu	Army, Schofield Barracks	Academy Building	Low	Assessment	Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
350	Oahu	Army, Tripler Army Medical Center	Tripler Army Medical Center	Low	Assessment	Hazard Undetermined	Ongoing	IRP
351		Army, Tripler Army Medical Center	Tripler Building 144-145 UST	Low	Response	Hazard Undetermined	Ongoing	IRP
352	Oahu	Army, Wailupe Impact Area	FUDS Wailupe Impact Area	Low	Assessment	Hazard Undetermined	Inactive	FUDS
353		Army, Waimanalo Training Center	FUDS Waimanalo Training Center	Low	Assessment	Hazard Undetermined	Inactive	FUDS
354	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield Building 218	Low	Response	Hazard Undetermined	Ongoing	DSMOA
355		Army, Wheeler Army Airfield	Wheeler Army Airfield MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
356	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, 40mm Range	NFA	Assessment	Hazard Present	NFA	DSMOA
357		Army, Wheeler Army Airfield	Wheeler Default Sites	Low	Assessment	Hazard Undetermined	Ongoing	IRP
358	Oahu	Army, Wheeler Army Airfield, Directorate of Public Works	Waikakalaua Ammunitions Storage Tunnel MMRP WAST-002-R-03	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
359		Defense, Defense Reutilization and Marketing Office	DRMO Manana Storage Area	High	Response	Hazard Undetermined	Ongoing	DSMOA
360	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Auto Hobby Shop	Low	Assessment	Hazard Undetermined	Inactive	IRP
361		Navy, Barbers Point Naval Air Station	Barbers Point NAS Building 273	Low	Response	Hazard Undetermined	Ongoing	DSMOA
362	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy
363		Navy, Barbers Point Naval Air Station	Barbers Point NAS Dry Well Network	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
364	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Electrical Manholes	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
365		Navy, Barbers Point Naval Air Station	Barbers Point NAS Navy Public Works Center	Low	Response	Hazard Present	Ongoing	BRAC
366	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Public Works Transportation Compound	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
367		Navy, Barbers Point Naval Air Station	Barbers Point NAS Regional Groundwater System	Low	Assessment	Hazard Undetermined	Inactive	BRAC

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
368						Hazard Managed		
	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Sanitary Landfill	Medium	Response	With Engineering Controls	Ongoing	IRP
369	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Unexploded Ordnance 2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
370	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS UST BP 19-20	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
371	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP
372	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Building 229	Low	Assessment	Hazard Undetermined	Ongoing	IRP
373	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined	Inactive	IRP
374	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined	Inactive	IRP
375	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Pearl City Fuel Annex	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
376	Oahu	Navy, Ford Island	Ford Island	High	Assessment	Hazard Undetermined	Ongoing	IRP
377	Oahu	Navy, Ford Island	Kamehameha Hwy and Ford Island Bridge	Low	Assessment	Hazard Undetermined	Ongoing	IRP
378	Oahu	Navy, Hickam Air Force Base	Navy Building 3407 soil contamination	Low	Assessment	Hazard Undetermined	Ongoing	IRP
379	Oahu	Navy, Joint Base Command	PHNC, Sandblast Grit Disposal	High	Response	Hazard Present	Ongoing	IRP
380	Oahu	Navy, Joint Base Pearl Harbor Hickham (JBPHH)	JBPHH, Underground Storage Tank at Marine Barracks Building 285	Low	Assessment	Hazard Present	Ongoing	IRP
381	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
382	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Facilities Department Salvage Yard	Low	Response	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
383	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	High	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
384		Kaneohe MCBH Transformers F-678/678 Electrical Shop Site					
385	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
386	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Inactive	IRP
387	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
388	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
389	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Response	Hazard Undetermined	Ongoing	DSMOA
390	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
391	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
392	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
393	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Inactive	IRP
394	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
395	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Inactive	IRP
	Oahu	Kaneohe MSBH, Aviation Supply Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
396	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
397		MCBH Kaneohe Bay					
398	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Low	Response	Hazard Undetermined	Ongoing	IRP
399	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	Low	Assessment	Hazard Undetermined	Inactive	IRP
		NAVCAM					
400	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	High	Response	Hazard Undetermined	Ongoing	IRP
		NCTAMS- ADMIN					
401	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	High	Response	Hazard Undetermined	Ongoing	IRP
		NCTAMSPAC Radio Transmitter Facility Lualualei					
402	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	Medium	Response	Hazard Undetermined	Ongoing	DSMOA
		NAVMAG West Loch Building 49 Transformer					
403	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	Medium	Response	Hazard Present	Ongoing	DSMOA
		NAVMAG West Loch, Burning Pit MRS					
404	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
		NAVMAG West Loch, Electrical Components Disposal Area MRS					
405	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
		NAVMAG West Loch, Injection Well MRS					
406	Oahu	Navy, Naval Magazine Lualalai (West Loch Branch)	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
		NAVMAG West Loch, West Loch Burning Pit					
	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Low	Assessment	Hazard Undetermined	Inactive	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
Island	Installation	Site Name	Priority	Action	Potential Hazards and Controls	Site Status	Cleanup Program
407	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
408	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
409	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Hazard Undetermined	Ongoing	IRP
410	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Hazard Undetermined	Ongoing	IRP
411	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
412	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
413	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
414	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present	Ongoing	MMRP
415	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
416	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Northern Munitions Response Sites	Medium	Response	Hazard Present	Ongoing	MMRP
417	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
418	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Outlying Operations Area	High	Response	Hazard Undetermined	Ongoing	IRP
419	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Range MRS	Medium	Response	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present	Ongoing	IRP
421	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
422	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Pile MRS	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
423	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Small Arms Range II	Medium	Assessment	Hazard Undetermined	Ongoing	DSMOA
424	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Stormwater and Sewage Systems	Medium	Response	Hazard Undetermined	Ongoing	IRP
425	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Trap and Skeet Range MRS	Medium	Response	Hazard Undetermined	Ongoing	DSMOA
426	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present	Ongoing	IRP
427	Navy, Naval Magazine Lualualei (Waikale Branch)	Naval Magazine Lualualei (Waikale Branch)	Low	Assessment	Hazard Undetermined	Ongoing	IRP
428	Navy, Naval Magazine Lualualei (Waikale Branch)	NAVMAG Waikale Burn Pit/Disposal Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
429	Navy, Naval Magazine Lualualei (Waikale Branch)	NAVMAG Waikale, Contaminated Soil, Waipio	Medium	Assessment	Hazard Present	Ongoing	IRP
430	Navy, Naval Magazine Lualualei (West Loch Branch)	Waipahu Incinerator/Ash Dump	Medium	Response	Hazard Present	Ongoing	IRP
431	Navy, Naval Magazine Lualualei (West Loch Branch)	Waipio Soccer Complex	Low	Response	Hazard Undetermined	Ongoing	IRP
432	Navy, Naval Magazine Pearl Harbor	Naval Magazine Pearl Harbor MMRP	High	Assessment	Hazard Present	Ongoing	MMRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
433	Oahu	Navy, NAVCAMS	Opana (HI1170090053)	Low	Assessment	Hazard	Ongoing	Compliance
434	Oahu	EASTPAC Opana Navy, NAVCAMS				Undetermined		
435	Oahu	EASTPAC Radio Transmitting Facility	NCTAMS PAC NRTF LLL, Old NRTF Landfill	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
436	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Old Coral Pit	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
437	Oahu	Navy, NCTAMS Pacific	NCTAMS, Antenna 354 Disposal Area	NFA	Assessment	No Hazard	NFA	IRP
438	Oahu	Navy, NCTAMS Pacific	NCTAMS, East Gulch Disposal Site	Medium	Response	Hazard Present	Ongoing	IRP
439	Oahu	Navy, NCTAMS Pacific	NCTAMS, Site 18, Transformers 2, 234, and 420	Medium	Assessment	Hazard Present	Ongoing	IRP
440	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformer 420	Low	Assessment	Hazard	Ongoing	DSMOA
441	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformer Building 262	NFA	Assessment	Undetermined	Ongoing	DSMOA
442	Oahu	Navy, NCTAMS Pacific	NCTAMS, Various Transformer Sites	Medium	Response	No Hazard	NFA	IRP
443	Oahu	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 2	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing	IRP
444	Oahu	Navy, Pearl Harbor Naval Complex	Building 68 Electric Shop	Medium	Assessment	Hazard	Ongoing	DSMOA
445	Oahu	Navy, Pearl Harbor Naval Complex	Building 8 Pearl Harbor Naval Shipyard	Low	Assessment	Hazard	Ongoing	DSMOA
446	Oahu	Navy, Pearl Harbor Naval Complex	Ford Island Landfill	Low	Assessment	Undetermined	Ongoing	DSMOA
447	Oahu	Navy, Pearl Harbor Naval Complex	Moanalua Shopping Center	Low	Assessment	Hazard	Ongoing	DSMOA
448	Oahu	Navy, Pearl Harbor Naval Complex	Navy PWC, Gas Station	Low	Assessment	Undetermined	Ongoing	DSMOA
449	Oahu	Navy, Pearl Harbor Naval Complex	Navy PWC, Iroquois Point Housing	Low	Assessment	Hazard	Ongoing	DSMOA
	Oahu	Navy, Pearl Harbor Naval Complex	Pacific Division Naval Facility	Low	Assessment	Undetermined	Ongoing	DSMOA
	Oahu	Navy, Pearl Harbor Naval Complex	Engineering, Pearl Harbor	Low	Assessment	Hazard	Ongoing	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019								
	<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>
450	Oahu	Navy, Pearl Harbor Naval Complex	Pearl City Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
451	Oahu	Navy, Pearl Harbor Naval Complex	Pearl City Peninsula Landfill	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
452	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
453	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Base Subsurface Oil	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
454	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Fletragru Firetest Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
455	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
456	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
457	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
458	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
459	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Sediment Study	Medium	Response	Hazard Present	Ongoing	IRP
460	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
461	Oahu	Navy, Pearl Harbor Naval Complex	PHFISC, Hotel Pier Site	Low	Assessment	Hazard Undetermined	Inactive	DSMOA
462	Oahu	Navy, Pearl Harbor Naval Complex	PHNC Building 1333 UST	Low	Assessment	Hazard Undetermined	Ongoing	IRP
463	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Aiea Laundry Building 436	High	Response	Hazard Present	Ongoing	IRP
464	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
465	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
466	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
467	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
468	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
469	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive IRP
470	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined	Inactive IRP
471	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined	Inactive IRP
472	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Building 289, Former UST NS-38	Low	Response	Hazard Undetermined	Inactive DSMOA
473	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Building 79	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
474	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Hazardous Substance Site	High	Response	Hazard Undetermined	Ongoing IRP
475	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Low	Response	Hazard Undetermined	Ongoing IRP
476	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing IRP
477	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449	Medium	Assessment	Hazard Present	Ongoing IRP
478	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Little Makalapa Naval Housing Area, Portion Radford Drive & Kamehameha Hwy	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
479	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Underwater Munitions NDSA	Low	Response	Hazard Present Hazard	Ongoing MMRP
480	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined	Inactive IRP
481	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST BP-1	Low	Assessment	Hazard Present Hazard	Ongoing IRP
482	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined	Inactive IRP
483	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Various Transformer Sites	Medium	Response	Hazard Managed With Engineering Controls	Ongoing IRP
484	Oahu	Navy, Pearl Harbor Naval Complex	USN Fleet Training Group	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
485	Oahu	Navy, Pearl Harbor Naval Complex	USS Oklahoma	Low	Assessment	Hazard Undetermined	Ongoing DSMOA

HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2019							
<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>
486	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY & IMF, Dry Docks Subsurface Fuel and PCBs on Groundwater Site	Low	Assessment	Hazard Undetermined	Ongoing IRP
487	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Present	Ongoing IRP
488	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Storm/Sanitary Sewer Drain	Low	Assessment	Hazard Undetermined	Inactive IRP
489	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined	Ongoing IRP
490	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined	Inactive IRP
491	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined	Inactive IRP
492	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST S932	Low	Assessment	Hazard Undetermined	Ongoing DSMOA
493	Oahu	Navy, Public Works Center	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined	Ongoing IRP
494	Oahu	Navy, Public Works Center	PHPWC, Burn Area near Pearl City Peninsula	Medium	Assessment	Hazard Present	Ongoing IRP
495	Oahu	Navy, Public Works Center	PHPWC, Industrial Waste Treatment Plant	Medium	Response	Hazard Present	Ongoing IRP
496	Oahu	Navy, Public Works Center	PHPWC, Makalapa Landfill Area	Medium	Assessment	Hazard Present	Ongoing IRP
497	Oahu	Navy, Public Works Center	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined	Inactive IRP
498	Oahu	Navy, Public Works Center	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined	Inactive IRP
499	Oahu	Navy, Public Works Center	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined	Inactive IRP
500	Oahu	Navy, Waipio Peninsula	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	High	Response	Hazard Managed With Engineering Controls	Ongoing IRP
501	Palmyra Atoll	Army, Corps of Engineers	FUDS Palmyra Naval Aviation Facility (Palmyra Atoll)	Low	Assessment	Hazard Undetermined	Ongoing FUDS

END OF REPORT