

**REPORT TO THE TWENTY-NINTH LEGISLATURE
STATE OF HAWAII
2017**

**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
FY2016**

**PREPARED BY:
DEPARTMENT OF HEALTH
STATE OF HAWAII
DECEMBER 2016**

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EXECUTIVE SUMMARY
REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND
FOR FISCAL YEAR 2016

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 an accounting of FY2016 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 FY2016.

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). 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, and from a 5-cent share

of the “environmental response oil tax.”, and from a 4.8% share of a 19 cent tax levied on each one million British thermal units of fossil fuel sold by a distributor. DOH receives a 5-cent share of the \$1.05 per barrel tax. The General Fund receives sixty cents of the tax. Two funds, the Department of Business, Economic Development and Tourism Energy Systems Development fund and the Hawaii Department of Agriculture, Agricultural Development and Food Security special fund receive the remaining 40 cents. In addition, fines and penalties generated by the Hazard Evaluation and Emergency Response Office, Clean Water Branch, Safe Drinking Water Branch, Solid and Hazardous Waste Branch, Clean Air Branch, and the Indoor and Radiological Branch are deposited into the ERRF. Oil tax revenue to DOH in FY2016 was \$1,287,966. Total revenue to the ERRF, including the oil tax revenue, was \$1,517,180.

Budget and Expenditure

The legislature appropriated \$1,712,734 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency Response (HEER) Office.

The state expended \$1,120,958 from the ERRF during FY 16 for the five programs.

DOH Oil Tax Revenue Declining

The 5-cent per barrel “environmental response tax” revenue to environmental programs is in decline. For fiscal years 2012, 2013, 2014, 2015 and 2016 oil tax revenue was \$1,314,717, \$1,294,756, \$1,239,739, \$1,236,065 and \$1,287,966, respectively. After multiple years of declining revenues, FY2016 saw a slight increase, possibly due to the additional revenue stream from the 19 cent tax on BTUs of fossil fuels.

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 and remove references to food security and sustainable energy development. In addition, revisions to §243-3.5

EXECUTIVE SUMMARY

modified the Environmental Response, Energy and Food Security Tax to add a 19 cent tax on each one million British thermal units of additional fossil fuels and to allocate 4.8% of said tax to the ERRF. The change in the means of finance for the 31 occupied positions from ERRF to general also took effect in July 2015. 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 2010 to 2016 resulted in a net loss of \$363,000 to our EPA State Response Program (SRP) grant, reducing funding for both staff and program activities. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FY2016 allocation dropped to \$936,300. The smaller Preliminary Assessment/Site Investigation (PA/SI) grant which funds site discovery activities has been cut from \$275,000 in 2013 to the 2015 allocation of \$223,000, but has been temporarily restored for FY2017 to \$275,000. EPA has notified HEER that the SRP grant allocation for 2016 is likely to decrease substantially due to a proposed change in the EPA allocation formula. Future funding levels for PA/SI are expected to drop back to no more than \$225,000 in 2017.

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). Three of these sites are listed on the National Priorities List (NPL). Eight other Hawaii sites met initial criteria for listing on the NPL. Responsibility for oversight of these sites has been transferred to the HEER Office.

Secondly, the *FY2016 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 480 release

notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 276 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 538 active sites under direct DOH oversight in the various State programs. This includes 63 new sites added during the last fiscal year, and 23 sites with known or suspected contamination that received No Further Action (NFA) determinations since the beginning of FY2016.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 400 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes 17 new DSMOA site listings and 26 sites with known or suspected contamination that received NFA determinations. SDAR provides regulatory oversight of hazardous substance response actions for DOD service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum-contaminated military sites are exempt under CERCLA, and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

Hawaii Department of Health Website

Additional information about the DOH and its environmental programs is located at:

<http://health.hawaii.gov/>. Specific information on the environmental programs may be located through the 'Environmental Health' and 'Emergency Preparedness and Response' drop down menus on the front page, under Health and Safety Topics.

Information about HEER Office activities including recent events, new initiatives, public records, fact sheets and comprehensive guidance documents may also be directly accessed at: <http://eha-web.doh.hawaii.gov/eha-cma/Org/HEER/>

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

Environmental Response Revolving Fund (ERRF) Budget Report

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

Five DOH environmental programs share revenue deposited to the ERRF. 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).

The Department notes that the legislative changes to HRS 128D, enacted in July, 2015, alter the statutory uses of the ERRF. These changes have been reflected in this 2016 Report.

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 HEER Office receives key legal support from the state Department of Attorney General on a variety of 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 FY2016, there were no de minimis settlements.

Five Environmental Health Program Budgets

The legislature appropriated \$ 1,712,734 for operating expenses to the Environmental Management Division (EMD) and the Hazard Evaluation and Emergency Response (HEER) Office.

The state expended \$1,120,958 for the five programs. The operational expenses were for emergency and non-emergency environmental response contractors, salary and fringe benefits, travel, response training, standby and overtime pay, legal services, and Tier II Fees distributed to the county LEPCs.

Fund Revenue

Revenue is generated in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs, and from the "environmental response oil tax". The "environmental response tax" deposited to the ERRF for DOH use is a state revenue tax of five cents per barrel, or fractional part of a barrel, of petroleum product sold by a distributor to any retail dealer or end user, other than a refiner of petroleum product. Overall, the oil tax revenue is on the decline. Oil tax revenue for the past five fiscal years is as follows: 2012 (\$1,314,717), 2013 (\$1,294,756), 2014 (\$1,239,739), 2015 (\$1,236,065), and 2016 (1,287,966).

Environmental Response Revolving Fund Revenue – FY2016

HTH 849 and HTH 840

ENVIRONMENTAL RESPONSE TAX	1,287,966
INVESTMENT POOL ACCOUNT	3,397
FEES, FILING OF CHEMICAL INVENTORY FORMS	81,800
FEES, VOLUNTARY RESPONSE ACTIONS	44,673
COST RECOVERY	4,935
REFUND/REIMBURSEMENT OF PRIOR PERIOD EXPENDITURES	39,795
VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS	97,000
VIOLATIONS OF HAZARDOUS WASTE REGULATIONS	220,864
VIOLATION OF WATER POLLUTION REGULATIONS	-356,390*
VIOLATION OF SOLID WASTE REGULATIONS	51,594
VIOLATIONS-DEPOSIT BEVERAGE CONTAINER PROGRAM	22,098
COMMUNITY NOISE CONTROL	13,000
DONATIONS, GIFTS OR GRANTS (DEPARTMENT)	6,448
TOTAL	<u>1,517,180</u>

**Note: Certain funds for water pollution violations went into a Supplemental Environmental Project (SEP) instead of being deposited into the ERRF, resulting in the negative amount shown. \$400,000 was inadvertently deposited to the ERRF, and subsequently transferred to a separate trust account for Ma’ili’ili Watershed Supplemental Environmental Project (SEP), per the settlement agreement.*

Environmental Response Revolving Fund Expenditure – FY2016

HTH 849 and HTH 840

PERSONNEL	173,112
OPERATIONS	947,846
EQUIPMENT	-
TOTAL	<u>1,120,958</u>

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

Environmental Response Revolving Fund (ERRF) HEPCRA Budget Report

In compliance with Chapter 128E, HRS, Hawaii Emergency Planning and Community Right-to-Know Act (HEPCRA), this annual report to the Twenty-Ninth Legislature, State of Hawaii, 2017 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2016
- Amounts distributed during Fiscal Year 2016
- Projected collection for Fiscal Year 2017

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 HEPCRA facility must file notification of such “Tier II” activity and pay a \$100 filing fee annually. HEER Office staff assesses each submitted Tier II report, records the HEPCRA 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, 2016, there are 848 qualifying Tier II facilities. Military facilities must submit Tier II information but are exempt from filing fees.

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

Tier II Filing Fees Collected and Distributed – FY2016

FY 2016 Amount Collected	\$81,800
FY 2016 Amount Distributed	\$71,671
FY 2017 Projection of Fees to be Collected	\$85,000

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

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FIVE KEY ENVIRONMENTAL HEALTH ADMINISTRATION ENVIRONMENTAL PROGRAMS

The ERRF funds operating expenses to five environmental programs: 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).

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 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 addressing 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 (HSRP)

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

The HSRP provides for oversight of assessment and cleanup activities on chemical emergency sites, and on high and medium priority sites across the Hawaiian Islands, including privately owned, municipal, and state owned properties, and federal military sites. DOH curtailed oversight of low priority sites 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

Current ERRF funding supports only part of the HEER Office state response obligation. Consequently, the HEER Office relies heavily on three cooperative agreement sources of federal funding to implement the office's mission and the HSRP.

The federal funding sources are the EPA State Response Program (SRP), the EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreements, and the Department of Defense and State Memorandum of Agreement (DSMOA) Cooperative Agreement. Together, these federal programs provided over 40% of the HSRP funding in FY2016.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

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 FY2016 grant award was \$936,300, down \$43,000 from FY2015, and down a total of \$363,000 over the 2010 SRP grant. EPA has notified DOH to expect further cuts for the FY2017 grant cycle.

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

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

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

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

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

For FY2016, the state's reimbursement under DSMOA was \$178,300.

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 entered into contracts with the University of Hawaii (UH) to characterize unknown hazardous substances. The successful collaboration allows for quick identification of chemical pollutant unknowns while conducting emergency response actions. The HEER Office is currently in a five-year contract with UH, effective May 1, 2014 until April 30, 2018. 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 2016, HEER Office received \$60,199. HEER Office mechanisms for the cost recovery require charging billable staff time and expenses to the ERRF and include following:

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

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

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

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

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

Moneys expended from the ERRF for private emergency responder contractor services are cost recoverable.

Penalties: Penalties are assessable to a Responsible Party for failure to report a release of a hazardous substance, pollutant, or contaminant, or for failure to comply with a departmental or judicial cleanup order.

Critical Positions Eliminated in FY2016

The elimination of ten vacant ERRF funded positions in July 2015, per Act 119, SLH 2015, resulted in the loss of four positions within the HEER Office, including an epidemiology specialist, an ecological risk assessor, a remedial project manager and our grant manager position. While all of these positions are important to the HEER Office functions, the grant manager served an especially important role in the financial tracking and coordination of HEER's federal grants. Last fiscal year, the HEER Office received over \$1.3 million in federal grant money. In addition to managing HEER's federal grants, the position also performed cost recovery work to recoup the costs incurred during an emergency response or during regulatory oversight by our remediation team.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

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.

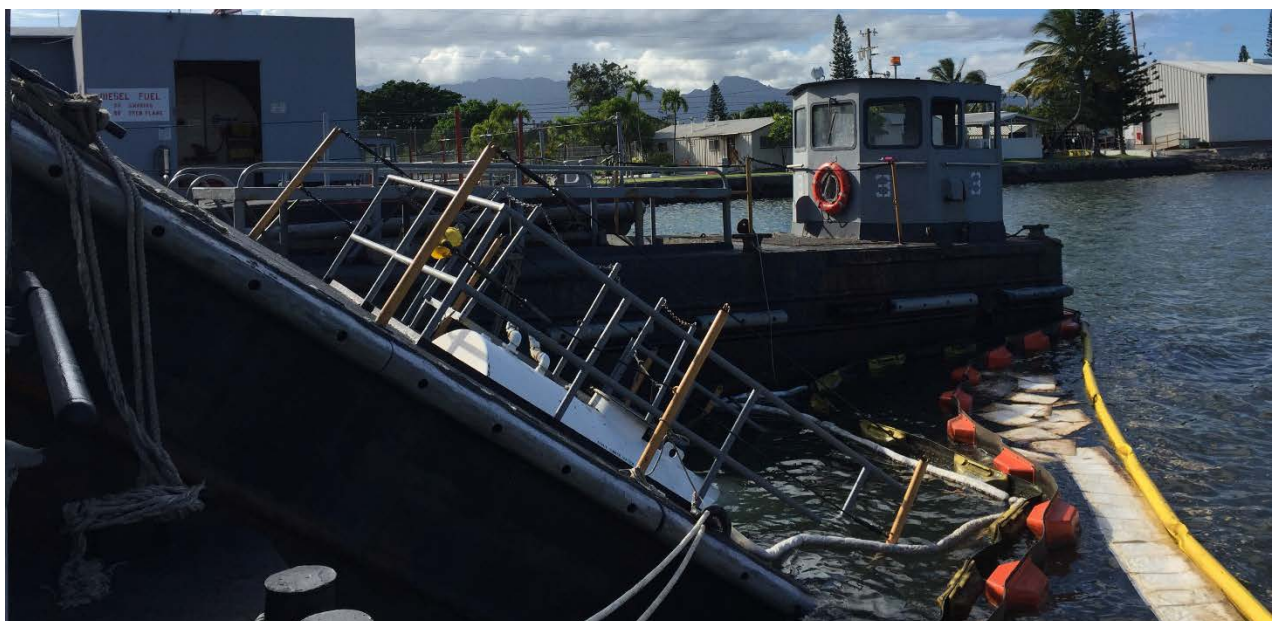
In FY2016 HEER's SOSCs managed 480 release notifications and performed direct oversight on 103 of those cases.

Notable HEER Office responses during FY2016 include the following:

Incident Case No.: 20151018-1145 NAVSEA Utility Boat #2

On October 18, 2015, a Naval Sea Systems Command (NAVSEA) workboat released approximately 60 gallons of oil (diesel fuel and hydraulic fluid). The cause of the release was from a shaft packing failure resulting in water intrusion and partial vessel sinking. The workboat was located at the Inactive Ships On-Site Maintenance Office (INACTSHIPMAINTO) in Pearl Harbor Middle Loch which maintains and inspects inactivated ships. The

vessel was refloated successfully using lifting bags, a barge, and a crane.





Incident Case No.: 20151028-0816 - Grounded Vessel Waialae Beach Park

A fishing vessel ran aground on a reef in the early morning. The vessel was stuck high on the reef and could potentially release fuel. The HEER Office went to investigate with DLNR and USCG. Damage to the reef was minimal and the hull was intact. Hazardous materials including fuel were removed to avoid a potential release. Various options for the removal of the vessel were discussed with the owner and the vessel was removed without a release into the environment.

Incident Case No.: 20151209-1926 - Costco Kailua-Kona Freon Release

The fan axle in the facility’s refrigeration system failed and caused the fan blades to cut into the condenser. System integrity was compromised and released 900 pounds of Freon into the outside air from the rooftop. The facility was not evacuated and the staff and customers were not impacted. Food in the affected refrigerators was transferred to on-site chill containers.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Incident Case # 20151113-1030 Abandoned Drums Near Halawa Stream

An anonymous call reported several abandoned drums in Halawa Valley near a commercial area. The HEER office investigated and found various 55-gallon drums near a stream behind several businesses. The drums were not labeled. Field testing was conducted and the contents of the drums were determined to be water. The land owner was contacted and the drums were properly disposed of.



FIVE KEY EHA ENVIRONMENTAL PROGRAMS

**Incident Case No.: 20151208-0800
Northwest Energy Innovations
Release**

On December 8, 2015, a release of approximately 15 gallons of hydraulic oil occurred 0.6 miles off of Kaneohe Marine Corps Base Hawaii. The source is from Azura, a 45-ton test wave energy device. Azura extends 12 feet above and 50 feet below the water and converts the waves' vertical and horizontal movements into electricity. It is hoped that the technology can someday be used as a renewable power for offshore fueling stations for the Navy fleet and provide electricity to coastal communities.



**Incident Case No.: 20160430-1238
Grace Pacific 80-gallon diesel fuel
spill**

On April 30, 2016, a Grace Pacific operator discovered a broken valve releasing approximately 80 gallons at one of their base yards. The fuel was recovered and reused to make asphalt.



Incident Case No.: 20160203-1326 Dry Dock Disposal An abandoned floating dry dock disposed of by State DOT at sea.



Incident Case No.: 20160122-1937 F/V Hoku Kea

A 39-foot vessel ran into reef. No hazardous substances released. A contractor was hired to remove 500-plus gallons of diesel, 1 gallon of lubricating oil, and seven batteries from the boat. The boat was salvaged and disposed of.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS



Incident Case No.: 20160324-1153 Kauai Veterans' Express Trucking Diesel Spill (above)

On March 24, 2016, a fuel tank overturned and released approximately 50 gallons of diesel. Kauai HazMat Team responded and built a dirt boom to initially contain the oil; absorbent material was also used to absorb the release.



Incident Case No.: 20160616-0940 Trailer tanker's landing gear failed with 8,500 gallons of gasoline inside.

While unhooking from tank trailer, landing gear failed. The 4 compartment tank trailer was full with 8,500 gallons of fuel products. Trailer fell down and buckled in the middle compromising the weld creating a pin-hole size leak. Lightening took 4 hours to complete; 8 oz. of gasoline leaked from the trailer during that time.

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FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Hazard Evaluation Actions and Studies

Ecological and Human Health Risk Key Studies

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

Health Surveillance for Environmental Factors

In FY2016, staff provided risk assessment support and responded to a diversity of inquiries concerning potential health hazards. These inquiries included questions regarding heavy metals (mercury, lead, and arsenic), pesticides, indoor and outdoor air pollutants, and illnesses potentially related to the environment. DOH continued integration of environmental and health effects datasets used to track disease related to environmental pollution factors during normal and emergency response conditions. Data sharing from formal health surveillance systems for both environmental pollutants and infectious diseases was further automated using multiple funding sources, including the ERRF. A description of the Department's health surveillance system in 2007 is at: <http://hawaii.gov/health/about/legrpts2007/> in a report under HCR 76, HD 1, 2006. Using ERRF funding, the HEER Office continued its actions to electronically acquire, manage, and analyze environmental surveillance data received from physicians and laboratories.

The CDC Adult Blood Lead Epidemiology and Surveillance (ABLES) Reporting Interagency Agreement

Since 2008, the HEER Office has participated in the Adult Blood Lead Epidemiology and Surveillance program (ABLES) funded by the U.S. Centers for Disease Control and Prevention. Unfortunately, funding for the nationwide program was discontinued in FY 2014. Despite the loss of the contract, Hawaii will continue to provide adult blood lead surveillance data to the ABLES program. Hawaii continues to have very few cases of elevated blood lead levels in adults.

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.

A group of pesticide and heavy metal analytes were added to the Electronic Communicable Disease Reporting System (ECDRS) electronic data feed from clinical laboratories in Hawaii to the Department of Health (DOH), Disease Outbreak Control Division (DOCD) Disease Investigation Branch (DIB). Using the electronic results, HEER has been tracking children and adults with elevated lead levels. Educational materials have been provided to all physicians testing women of childbearing age for mercury.

For calendar year 2015, 14,189 children (≤ 6 year old) were tested for blood lead levels. One hundred and twenty-six children had an elevated blood lead level between 5-9 ug/dl. Another 26 children had an elevated lead level of ≥ 10 ug/dl. The percentage of children with a lead level ≥ 10 ug/dl was 0.18% 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 Maui to ensure that landlords receiving state or federal rental subsidies comply with lead based paint requirements.

DOH recognizes the importance of identifying and managing cases of lead poisoning in Hawaii, especially after the Flint, Michigan crisis linked to leaching of lead from corrosive pipes. Since 2003, when CDC cut funding for Hawaii's childhood lead program, lead surveillance activities have been limited to responding to patient and physician requests for assistance. This year, the HEER office has purchased a web-based application, Consilience Software Inc.'s Maven, to coordinate and enhance surveillance of lead poisoning in Hawaii. The new application will allow for active identification and management of lead poisoning cases in Hawaii. Cross training across DOH programs including Public Health Nursing Branch, Children with Special Health Needs Branch and the Indoor and Radiological Health Branch will ensure that children and adults with elevated lead levels will get the management and assistance needed to reduce the overall lead burden in Hawaii.

HEER Addresses Statewide Pesticide Concerns

In response to ongoing community concerns as well as recommendations made by the Kauai Joint Fact Finding Group, the DOH and Hawaii Department of Agriculture (DOA), in partnership with other state and federal agencies, have launched three key statewide pesticide initiatives that can be accomplished in the next 12 months.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Environmental Sampling

Surface Water Sampling- To expand upon the 2013-14 DOH/DOA surface water study, DOA has signed a Memorandum of Understanding with United States Geological Survey (USGS) for a \$500,000 surface water quality study. Surface water on Oahu and Kauai will be sampled for pesticides before and during storm events to evaluate whether pesticides are moving offsite at unacceptable levels. Different land uses including urban, rural, and agricultural uses will be evaluated. Interim results will be released after the first year of the project.

Air and Dust Sampling DOH and DOA recognize that airborne dust and pesticide drift are important community concerns. A pilot study conducted by the University of Hawaii and reported in 2013, did not find pesticides in the air next to seed corn operations at health levels of concern. The Agency for Toxic Substances and Disease Registry (ATSDR) has recently weighed in on this issue. In their response to a citizen's request for a public health assessment, ATSDR concluded that environmental air monitoring is unable to accurately define the extent of a community's exposure to agricultural pesticides due to application variables and weather. Because of the complexity of the issue and the difficulty in gathering definitive data, the State is currently seeking recommendations from the US Environmental Protection Agency (EPA) on how to address community air concerns.

Emergency Response Exercises and Training for Pesticides

The state recognizes that effective interagency response to emergencies begins with preparedness. Strong internal and external working relationships will help to ensure public trust and promote an effective interagency response in the event of a high-level pesticide incident. To strengthen and build upon existing relationships and enhance preparedness, DOA and DOH are planning a statewide pesticide exercise through the Hawaii State Emergency Response Commission with other organizations including with the Fire Department/HAZMAT/EMS, Department of Education (DOE), Hawaii Occupational Safety and Health (HIOSH) and county representatives. A proposed scenario involves a pesticide exposure at a school which will include environmental, community and medical response planning, including DOH's Emergency Medical Services and Injury Prevention System Branch. In September, 2016, a proposal for workshops and table top exercises in each county was presented to the Hawaii State Environmental Response Commission.

Public Health Education and Outreach

Acute Pesticide Exposure DOH and EPA support clinician training for acute pesticide exposure to improve outcomes in local communities. EPA has contracted with the nonprofit Migrant Clinicians Network to provide clinical training for acute pesticide recognition and management at Kauai Veterans Memorial Hospital. DOH is assisting EPA with outreach and logistics for the trainings.

Symposium on Children's Environmental Health

Planning is currently underway to host a Symposium on Children's Environmental Health for health care providers in Honolulu in March, 2017. DOH is collaborating with experts at the Pediatric Environmental Health Specialty Unit (PEHSU), and John A. Burns School of Medicine, Department of Pediatrics for this event. Guest speakers from UCSF and UC Berkeley will present current research on pediatric environmental health issues including pesticides. Funding is provided by EPA grants to PEHSU and the DOH State Response Program.

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. DOH is working with HPC to offer Hawaii-specific information on how to report and respond to pesticide exposure for consumers

Pesticide Poisoning Prevention Services for Households

Because the vast majority of pesticide exposures reported to Poison Centers nationwide and the Hawaii Poison Center occur in the home, DOA will re-start their "Pesticide Poisoning Prevention Services for Households" outreach program to educate families and communities about how to better protect their children and how to reach out for help in the event of potential exposures.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

EMS/Physician Training on Hazardous Chemicals Alvin C. Bronstein, MD, DOH EMS & Injury Branch Chief and former Director of the Rocky Mountain Poison Center, held an EMS/Physician Training on Hazardous Chemicals in partnership with Kapiolani Community College and the Louisiana Poison Center that was attended by 40 people, representing all islands. Additional pesticide-specific trainings for each of the counties are currently being developed/considered.

Agency for Toxic Substances and Disease Registry (ATSDR) DOH is conferring with the ATSDR on pesticide-related community health concerns raised on Kauai. In their recent response to a citizen request for a public health assessment ATSDR identified a need for education of the local health care community, and have offered to provide assistance.

Birth defects Director Pressler and her staff traveled to Kauai in August, 2016 to meet with west-side physicians to investigate discrepancies they have identified in the birth defects registry report. The birth defects surveillance system in Hawaii is an active surveillance system in which birth defects data are directly abstracted from medical records at hospitals and other medical facilities statewide. Direct reports from doctors are also accepted, and can be an important way to ensure all birth defects cases are recognized and entered.

Work done to date by the HEER Office on pesticide concerns can be found at:

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

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

Reclaiming Contaminated Properties

The HEER Office continues to prioritize its operations to focus resources on major threats to human health and the environment. For FY2016, the HEER Office accomplished its primary mission with a focus on discovery and oversight of assessment and cleanup activities on high and medium priority sites across the Hawaiian Islands, including privately owned, municipal, and state owned properties and, federal military sites. Oversight of low priority sites continues to be curtailed due to staff shortages and budget constraints.

Sites Evaluated for Removal and Remedial Action

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

Our general and federally funded state remedial project managers (RPMs) evaluate information provided, and direct additional investigation as needed to understand the nature and extent of contamination, and identify hazards requiring remedial action to protect human health and the surrounding environment. To date, 1,244 state sites have been identified and investigated by the SDAR section. Of these, 313 sites have been fully cleaned up and have no ongoing oversight requirements and 199 sites have been closed with restrictions in place to protect human health and the environment. An additional 67 low priority sites are currently inactive, and are subject to reassessment prior to redevelopment or land use change.

65 new sites were added in 2016 due to both active site discovery efforts and statewide redevelopment activities. 505 state sites remain open at the end of FY2016 under active oversight and are being assessed for future action.

Responsible Party Participation

Like the federal Superfund law, HRS 128D requires responsible parties and property owners to investigate and clean up contamination under regulatory oversight. Where needed, the HEER Office has authority to issue orders to require investigation and cleanup of properties that may pose an imminent threat to human health or the environment. ERRF funds may be expended to

complete cleanup activities if the responsible party fails to do so.

In practice, the State Response Program works cooperatively with responsible parties and property owners, identifying potential hazards and directing investigation and cleanup activities. Clearly, this tested partnership approach results in more successful and timely cleanups, while conserving fund monies. In 2016, Responsible Parties conducted the vast majority of investigation and cleanup actions on a voluntary basis, without a formal cleanup agreement in place.

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

Voluntary Response Program Key Oversight

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

Past, current or future property owners can participate in this program, but exemptions from liability can only be given to future purchasers or tenants. Completion of the voluntary cleanup action is accompanied by a Letter of Completion (LOC) issued by the Department of Health and noted on the property deed. To date, 32 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 27 LOCs for 25 sites, closed one site with a No Further Action (NFA) determination without liability relief, and seen three sites withdraw from the program.

Today, there are four active VRP sites in the program. No new applications were received in FY2016. Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities.

Remedial actions are complete and LOCs have been issued at three other VRP sites. These include Lowe's Iwilei, Costco Maui Gas Station, and Honolulu Wood Treatment.

Fast Track Decisions

The HEER Office Fast Track Cleanup process provides a streamlined approach for property owners to conduct protective, independent cleanups of low and medium priority sites, and improve Hawaii's ability to focus on more serious and complex releases. The program includes cost recovery, providing necessary funding for

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the HEER Office to provide priority oversight for sites that pose low environmental risks. Forms and information on Fast Track Cleanups (FTC) designed to enable landowners or other private parties to conduct a voluntary investigation or cleanup under a simple agreement with the HEER Office are located at:

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

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, particularly in the event of residential redevelopment.

The HEER Office continues to focus on historic pesticide mixing, storage, and loading areas from both sugar cane and pineapple operations.

Since 2007, the HEER Office has discovered, investigated and completed site screenings on 71 sites statewide through the Site Discovery program. Site Discovery identified no hazards present, meaning no elevated contaminant concentrations detected, at 28 of the sites evaluated. Six sites have completed investigation, remedy selection, and have controls in place.

Fourteen sites have residual contamination present that requires use restrictions, safe management and further investigation before redevelopment can occur.

Shifting to a Proactive Approach to Historic Contamination

Our State Cleanup Law, HRS 128D, modeled after federal Superfund Law, was established to respond to the discovery and reporting of releases of hazardous substances, and to take regulatory action to protect human health and the environment from contaminants. One of the biggest challenges we face in the HEER Office is that a significant majority of these newly reported releases are the result of historic industrial and fuel handling activities, and tend to occur most frequently in concentrated areas with known areawide contamination, such as 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 this issue, the HEER Office has begun to adopt a broad, proactive strategy to address the discovery, interim management

and remediation of sites statewide. The strategy consists of three components:

1. Programmatic/Areawide Environmental Hazard Management Plans
2. Extensive Public Outreach & Material Development
3. Site and Document tracking by the public via iHEER

The combination of these three components allows the HEER Office to address potential sites before they become issues by providing the public at-large with as much information and guidance as possible about potential hazards *before* a release occurs. It also provides consistent, publicly available information about areawide contamination concerns that property owners, tenants, developers and prospective purchasers can use to learn about the HEER Office. This enables HEER to maintain its services to the public despite budget cuts and lack of personnel. Here is a brief description of the three components:

Programmatic/Areawide Environmental Hazard Management Plans (EHMP):

Areawide EHMPs are used primarily to 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 have to address.

Extensive Public Outreach & Material Development:

As there is limited landfill space in Hawaii, and no on-island hazardous waste disposal, risk-based closures are used at many sites. This approach cuts off pathways to exposure, while leaving contamination in place that needs to be managed through either a combination of engineering controls (e.g.-cap) and/or institutional controls (e.g.- land zoning, EHMP) for the foreseeable future. In order for these controls to remain effective over time, public outreach to all affected parties (utilities, lenders, State departments, etc.) is required to educate and reinforce what needs to be done to maintain site

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safety. Meeting with the various stakeholders annually allows the HEER Office to get its safety message out consistently and frequently. HEER Office outreach materials for the various types of contamination (UXO, arsenic, petroleum) on sites are developed and regularly updated keep these important messages fresh in the minds of the public.

Site and Document tracking by the public via iHEER:

The HEER Office is continuing to design and optimize the iHEER system so that Site and Document tracking can be accessed by the public. The primary focus of iHEER has been to allow facile access to public records while creating enough safeguards to protect confidentiality and open investigations. It is anticipated that public records will be accessible after the data migrated over to iHEER has been screened to protect confidentiality.

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 guide ways, extensive utility relocations, a large rail car maintenance and storage facility, and several park and rides.



Construction continues to occur within large areas of known and potential subsurface contamination from a variety of historic activities. Safe management requires proactive, advanced planning before ground can be broken, and close, ongoing coordination with multiple construction teams on the ground. Data-sharing between HART, the HEER Office, multiple state agencies, and the public is also crucial to the project's success, but is complicated by the project complexity. In FY2015, we reported on progress with the Programmatic Environmental Hazard Evaluation (EHE) and Environmental Hazard Management Plan (EHMP), improved data-sharing between the Honolulu Authority for Rapid Transportation (HART) and the HEER Office, and HEER web page that shares information about the rail project to the public (Link: <http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/HEER-Office-Partners-with-Solid-and-Hazardous-Waste-Branch-to-Oversee-Honolulu-Rail-Transit-Project>). These aspects of the project continue to evolve and improve in FY2016.

In Fall 2015, the HEER Office partnered with HART and HART contractors to give a presentation at the Hawaii Geographic Information Coordinating Council annual conference. The presentation focused on using Arc GIS Online (AGOL) to share information across agencies and within organizations. HART has an (AGOL) license that they use to identify areas of contamination and create maps for contractors who will be working in that area. The HEER Office part of the presentation focused on how HDOH/HART coordination on these issues has evolved over time, and how using AGOL has made communication with HART and the public easier.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS



***Amazing Transition –
Rail Operations Center at the Former Ewa Junction Fuel Drumming Facility under Construction in 2013***



Rail Operations Center 2015



Rail Operations Center 2015

The HEER Office presentation also displayed the interactive map the public can access to find information about contamination along the rail corridor. The map was created last year and embedded on the HEER website.

The HEER Office continues to work with HART to identify contaminated properties and mitigate contamination before construction occurs. Since HEER Office involvement with the project in 2011, one such property is the former Ewa Junction Fuel Drumming Facility. This property was the site of a 315,000 – gallon fuel release in March 1971. Since then it has undergone multiple characterization and removal actions. In spite of this, after its use as a fueling facility, the site remained fallow until HART acquired the property. In 2012 and 2013. HART wrote a site-specific EHMP, and completed several sampling events to ensure the site was safe for its future use as a maintenance yard. Extreme grading and

construction operations took place once the site was deemed safe. This year, the HEER Office attended a ceremony at the newly constructed Rail Operations Center and was pleased to see that the beneficial reuse of this site is imminent.

Additionally, HART investigated and closed two gas station sites in preparation for construction of the Kalihi rail station, and one gas station in advance of construction of the Lagoon Station. HART is also investigating and preparing for a removal action at the Al Phillips site that will comprise part of the Lagoon Station.

The HEER Office and HART are also working with the EPA to incorporate green remediation and green construction protocols into the project. These protocols will benefit Hawaii by minimizing waste and energy consumption, which often leads to cost savings.



Rail Operations Center 2015

Widespread Unexploded Ordnance (UXO) Issues Throughout the State

The HEER Office mission is to protect human health and the environment and UXO has become one of the main contaminants of concern to be targeted. Over the past decade, several Formerly Used Defense Site (FUDS) UXO investigations have taken place throughout the State, highlighting the number and severity of the UXO problem. Many of the areas being investigated are high-traffic areas by the public (Maunawili Trail, Hapuna Beach, Goat Island, Ahii Kinau, etc.) and as there is no way to guarantee 100% clearance of a UXO site, these sites present a potential danger to the public-at-large. Due to this threat, the HEER Office has actively engaged in public outreach in the affected communities and with State and local authorities to inform the people of the

hazards UXO pose. To assist with the public outreach effort, the HEER Office is partnering with Federal, State and local entities to design signage that incorporates historic, cultural, and safety messages at high profile public venues like Hapuna Beach.

In addition to continued public outreach, the HEER Office has developed an areawide UXO EHMP for the Waikoloa Maneuver Area as a pilot test. If successful, areawide EHMPs will be designed and implemented at other FUDS to ensure protectiveness for the public and environment after site remediation has occurred.

The HEER Office will be investing time and resources into enhancing and developing its expertise in handling UXO sites independent of the work done by the US Army Corps of Engineers. In doing so, the HEER Office can start

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

to address low priority/low risk sites that the USACE will not address in the foreseeable future, allowing for re-development or re-use. By bringing in experts from across the country to train and educate HEER staff, the hope is that the HEER Office will acquire the competency necessary to address the UXO issue properly.

Re-development of Various Properties Across the State

Land re-use and re-development is critical when living on an island and in order to facilitate that, the HEER Office has dedicated its time and resources to assist private parties in their endeavors. The most recent projects that have been completed or are close to completion include but are not limited to Symphony Park, International Marketplace, and the Honolulu Advertiser Building. In addition to these projects, the HEER Office has assisted the City and County of Honolulu in researching potential parcels for use as transitional housing.

The HEER Office has had a long standing relationship with DBEDT and continues to assist DHHL, DOT, DOE, and other State departments in providing guidance and oversight for their projects (e.g.- Voice of America, Kapalama Container Yard, Radford High School). The HEER Office strives to assist its fellow State Departments in ensuring the safety of the sites and designing long term remedies that allow for potential re-use/re-development.

High Priority State Sites

A key role of the HEER Office is to identify sites where current or projected exposures to hazardous chemicals could pose a threat to public health or the environment. These sites receive high priority designations. In 2016 there were 69 high priority sites in the Hawaii State Response Program. Examples of major progress on high priority sites are described below:

Radford High School Track & Field

The track and field remediation was completed in 2015 and the Remediation Verification Report for the Time Critical Removal Action was submitted to the HEER Office at the beginning of FY2016. The HEER Office is working with DOE to develop EHMPs for both Radford High School and Makalapa Elementary School to ensure protectiveness of students and faculty on those respective campuses. A Remedial Investigation on the Makalapa campus by the US Army Corps of Engineers to determine the nature and extent of the buried debris is slated for December of 2016.

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

Discussions on re-development of the site that are consistent with the remedy in place have begun and suitable buyers are being screened. In addition to the Soil Vapor Extractor (SVE) on the Gasco site, a second dedicated SVE was constructed to address soil vapor concerns in the Dole Cannery Building. Pilot tests showed that SVE is effective in reducing vapor intrusion into the building. A Remedial Alternatives Analysis and Response Action Memorandum for the Dole Cannery Building is slated for 2017. Endpoint/ exit strategy discussions on the Gasco site are also slated for the end of 2017.

VRP Projects on the former Conoco Phillips Petroleum Terminal

Lowe's entered into the Voluntary Response Program (VRP) to remediate and redevelop the former Conoco Phillips terminal property in Iwilei. Lowe's elected to investigate and clean up the property in two parts, as discussed below:

Lowe's Iwilei Letter of Completion

The Lowe's VRP site officially received its Letter of Completion in early 2016. This marks the end of active remediation on the site and has placed it in long term management mode. Barring a discovery of a new release, the site will be reduced in priority in FY2017 and will no longer be on the high priority list.

The long term safety of the property will be ensured by the continued implementation of the site specific EHMP for the property. In addition, as a condition of the VRP agreement, a covenant was placed on the property in 2016.

Brewer Environmental Industries (BEI)

Site characterization activities have been completed on the BEI site but as BEI has no intention of ending its lease with Lowe's, the site has been placed in long term management until the lease expires. Chevron has been tasked with drafting an exit strategy that outlines all of the work that has already been completed and what actions need to be done once BEI vacates the property. As BEI is an active facility, monitoring wells that are not

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

in use have been sealed off to prevent potential pathways to the groundwater.

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

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

IDPP continues to implement the remedies and response actions approved 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.

As all of the OUs are in long-term management, the following ongoing activities are being done to ensure the protectiveness of the remedies selected.

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

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

Pearl Harbor Sediments

The feasibility study (FS) (2015) involved additional sampling/data gathering to further define the extent of sediments that may require remediation, assess recontamination/ natural recovery potential/the need for source control, and evaluate alternatives for remedial action. The feasibility study recommendations were:

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)

A Basis of Design Tier II Work Plan (June 2016) has been drafted and is currently under review. The field investigation objectives are to obtain the data required to complete the design of the selected remedial alternatives as presented in the FS (2015), and to provide additional harbor-wide baseline fish tissue data to evaluate long-term fish monitoring recommendations for the site.

Aiea Laundry:

2016 Final Remedial Investigation/Feasibility Study (RI/FS) – The 2007 to 2014 Remedial Investigation/Feasibility Study was conducted to fill data gaps following the previous 1996-1997 Remedial Investigation and the 2002 Remedial Investigation/Feasibility Study. The decades-long investigation has focused on four principal investigation areas:

Former Aiea Laundry Facility area (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, which 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

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Nearshore Area/Intertidal Zone 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, which is an active institution. The Backyard Area is currently unused, and the Nearshore Area/Intertidal Zone is used for recreation.

Analytical results of soil sampling at the Laundry Area and Backyard Area and surface water sampling in Aiea Bay indicated no exceedance of screening criteria.

Groundwater and seep water Contaminants of Potential Concern (COPC) concentrations at the Laundry Area and downgradient areas have decreased since the first round of sampling conducted for the Remedial Investigation in 2007. Based on the most recent data collected in November 2014, only one well (in the Laundry Area) contained a COPC (vinyl chloride [VC]) concentration exceeding its respective screening criterion, and significantly fewer COPCs were detected above laboratory reporting limits compared to results from 2007–2008. Surface water samples collected from Aiea Bay indicated no exceedance of screening criteria. These results suggest that the dissolved-phase Chlorinated Volatile Organic Compound (CVOC) plume is no longer present at concentrations exceeding project screening criteria in areas located hydraulically downgradient of the Laundry Area. Due to the detection of VC in the one Laundry Area well, residual CVOC contamination is still likely present in groundwater at the source area. Results of the bioaugmentation Treatability Study indicated that conditions can be established in-situ that are suitable for complete biological degradation of the chlorinated organics at the source area and the downgradient plume.

Results of indoor and outdoor ambient air and soil vapor sampling in the Laundry Area, Backyard Area, and St. Elizabeth Church and School and the Soil Vapor Extraction (SVE) Treatability Study indicate that the current SVE system has provided some mitigation of vapor-phase CVOCs; however, vapor intrusion pathways are intermittently complete at St. Elizabeth Church and School, and elevated CVOC concentrations are present in soil vapor along the fence bordering the Church's Rectory building and around one well in the Backyard Area. Based on soil vapor samples collected between 2009 and 2011, elevated CVOC concentrations may also still be present in soil vapor beneath the northwest part of the parking lot. Results of near-surface soil vapor sampling for the offsite soil vapor survey west of St. Elizabeth School indicated the presence of perchloroethylene (PCE) in four of the 18 samples, but at concentrations well below the screening criterion and not indicative of a significant PCE soil vapor presence in the area.

CVOC concentrations exceeding the project screening criteria were detected in groundwater and soil vapor at the Laundry Area and in soil vapor at the Backyard Area. The ecological risk assessment determined that the CVOC concentrations in groundwater pose no ecological risk. Since groundwater at the site has been designated as non-potable by the State of Hawaii DOH with EPA concurrence, the Human Health Risk Assessment (HHRA) did not identify any unacceptable risk to current or reasonably anticipated future receptors; therefore, remedial actions for groundwater are not necessary for protection of human health and the environment. Consequently, groundwater is not a medium of concern and is not addressed in the Feasibility Study. However, because monitored natural attenuation (MNA) has been demonstrated to be effective to reduce the CVOC concentrations in groundwater at the site and the MNA processes are expected to continue, groundwater monitoring will be conducted periodically to confirm that the reduction in CVOC concentration continues.

The HHRA results indicate that the soil vapor at the site currently does not pose an unacceptable risk to workers and visitors of the Church and Rectory, but does indicate potentially unacceptable risk to a future hypothetical residential scenario should vapor intrusion occur. Because the soil vapor risk is currently mitigated by operation of the SVE system, it is anticipated that the HHRA would have resulted in elevated risk in other scenarios and thus would require further evaluation if the SVE system was not operating. Therefore, further action was recommended to address soil vapor at the Laundry Area and the Backyard Area.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Five remedial action alternatives were evaluated in the Feasibility Study and the preferred remedial alternative for remediation of soil vapor contamination at the site is Targeted Soil Vapor Extraction, Monitoring, and Land Use Controls. The Feasibility Study is being finalized.

The Proposed Plan meeting is tentatively scheduled for early 2017.

East Gulch Disposal Area, NCTAMS PAC 2015 Action Memorandum to document for the Administrative Record (AR) the decision by the United States (U.S.) Department of the Navy (Navy), Naval Facilities Engineering Command, Hawaii, to undertake a time-critical removal action (TCRA) to address debris and contaminated soil observed on the mid-to-upper slopes of the East Gulch. Prior to conducting an RI, debris removal is required to allow access to soils beneath the debris on the gulch slope.

2016 TCRA - Vegetation and debris were cleared on the slopes prior to collecting soil samples. Spider excavators were used for this effort on the steep slopes. Incremental Sampling Method (ISM) confirmation sampling results showed no exceedances and a No Further Action was recommended. As of this writing, site restoration is being conducted.

State Oversight of Military Munitions Response Program Sites (MMRP)

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 Site Program (FUDS). The majority of the MMRP sites currently under investigation in the State are part of the FUDS program (37 active projects). The most prominent of those sites are listed below:

Waikoloa Maneuver Area

As the largest FUDS in the entire nation (120,000 acres), the Waikoloa Maneuver Area receives \$10M a year to its remediation and cleanup. The projected cost to complete this project is over \$700M and will take approximately 50 years to complete. It is divided into 22 areas and each area is prioritized via MRSPP scoring system to determine which areas present the greatest risk. DHHL properties within the FUDS areas have been

prioritized to ensure the safety of nearby residents. To date, roughly 22,000 acres have been remediated with about 2,200 UXO items being discovered and removed. In addition to the remedial work being performed the HEER Office partners with the US Army Corps to do public outreach events throughout the FUDS.

Pacific Jungle Combat Training Center

Located in both Kanahena and Punaluu valleys, this FUDS went through a remedial investigation and feasibility study to determine the best course of action to address the area and keep users of the area safe. As there are significant cultural and receptor (e.g.-hunters) concerns in the area, the HEER Office and US Army Corps are working with the landowners to ensure that an appropriate and protective remedy is selected.

Multiple Army MMRP Sites on Various Installations

The HEER Office has provided oversight for 55 MMRP sites on various Army Installations (Fort Shafter, Schofield Barracks, Wheeler Army Airfield, Makua Military Reservation, and Waikakalaua Ammo Storage Tunnels) since the creation of the program and has completed the majority of the investigations in under 20 years, which is unprecedented. Although MMRP sites cannot reach unrestricted closure, these sites have been investigated, remediated, and placed in long term management.

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

In addition to the Iwilei Areawide EHMP, new Areawide EHMPs have been developed in areas on the Big Island and Maui. A draft of the Kahului Harbor EHMP was completed in May 2016 with a finalized version to be completed by November 2016. A draft Waikoloa Maneuver Area EHMP has been reviewed by the US Army Corps of Engineers and it is scheduled to be released for public input at the UXO Forum being held on November 30, 2016. Other areas such as Hilo Harbor are being looked into to determine if an areawide EHMP is appropriate to address widespread contamination.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

Petroleum Oil Terminal Environmental Hazard Management Plans (EHMPs)

Documentation of historic oil contamination in soil and/or groundwater is common at the existing petroleum oil terminal distribution sites in the state's harbors. The HEER Office first started planning for greater oversight and establishment of facility-specific EHMPs for oil terminals in the state several years ago, starting with the Chevron oil terminals located in Honolulu, Hilo, Kahului, and Port Allen harbor areas. Interim Final or Interim Draft EHMPs have been completed for the Chevron oil terminals during the 2015 and 2016 fiscal years. Because these are working facilities and evaluation of all areas of these sites is not generally feasible due to existing infrastructure and operations, these EHMPs are considered "Interim", and will be periodically updated over time as new information or access to new areas for evaluation may become available. Aloha Petroleum has now also committed to a plan to complete EHMPs for their oil terminal distribution sites in the state over the next two years. 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.

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

In FY 2016, the HEER Office worked on the development of a database summary and GIS mapping initiative focused on industrial harbor areas. The goal of this project is to provide a useful management and planning tool that addresses Known/historic contamination details, the presence of large chemical storage tanks and transport pipelines, as well as various potential pathways for spilled or leaked chemical to travel "offsite" from facilities or to the ocean. Kahului Harbor was chosen to develop a model that could then be applied to the other harbors in the state. The initial Kahului Harbor data summaries and maps were completed, and they will be further refined and amended as the HEER Office utilizes this resource and additional information becomes available. This information will also provide important support for the development and targeting of areawide EHMPs within the harbor areas. The EHMPs will in turn provide environmental hazard and planning information for utility companies and others who may be digging in public rights-of-way or on private easements in the harbors and encounter contaminated soils or groundwater.

Brownfield Success Story: Cleanup Completed in FY2016 for the Former Kohala Sugar Company Pesticide Mixing Site

The former Kohala Sugar Company Pesticide Mixing Area supported historic sugarcane production operations in the Kohala District of Hawaii Island. The company closed operations in 1975. Soil at the former pesticide mixing area presumably became contaminated as a result of chemical spills, mixture runoff, and rinse water discharge over many years of pesticide mixing and loading. Arsenic and dioxin contamination was present in areas of about one quarter of an acre to a depth of up to 10 feet below ground surface.

The pesticide mixing site is on a larger parcel owned by the non-profit Hawaii Community Development Corporation (HICDC) which is developing single family affordable housing units. Unfortunately, the pesticide mixing area located in a gully on one edge of the property was not discovered during HICDC's due diligence to purchase the property.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

After gathering and addressing public input on a proposed remedy for the contaminated soils, the HEER Office approved a final cleanup action plan for the pesticide storage/mixing site located near Hawi town. The approved cleanup plan called for excavation of all contaminated soils above relevant DOH environmental action levels and disposal at the West Hawaii sanitary landfill. A detailed work implementation plan was approved by the HEER Office in June 2015, and 2,685 tons of contaminated soil was removed from the site and placed in the West Hawaii landfill by May 2016. This site received brownfield funding for the initial soil investigation, and HICDC utilized a substantial loan from the Hawaii Brownfield Revolving Loan Fund to complete the soil removal action.



Above: Limits of Excavation in Deep Contaminated Area, April 2016



Above: Grass Stabilizing the Final Restored Site, June 2016

The excavated site was filled with clean soil and restored with a grass cover by June 2016. HICDC will receive a "No Further Action" letter from the HEER Office for closure, and the site will be suitable for future unrestricted use, including residential development.

Hawaii Brownfields Forum

On September 22, 2015, the HEER Office in collaboration with U.S. EPA Region 9, City and County of Honolulu, and the Center for Creative Land Recycling (CCLR) hosted Hawaii's 7th Brownfields Forum, entitled *Supporting Development and Land Reuse around Honolulu's Rail Stations*". The Forum was created to encourage private owners, developers, and investors to redevelop brownfields properties around Honolulu Transit Oriented Development (TOD) by:

- Facilitating interaction and partnerships among diverse stakeholders
- Explaining regulatory requirements and the use of site assessment/cleanup tools
- Informing stakeholders of grants and other financial incentives
- Identifying obstacles and incentives to help further facilitate redevelopment

Over 160 attendees participated in the Forum, and more than 40 locations participated remotely in the webinar. This is the first forum with a live streaming component. Interested parties all over the State of Hawaii and across the USA participated. Interestingly, this forum drew a more diverse audience than previous Forums, with significant new participation associated with planned TOD rail stops, including local property owners and tenants, public development agencies, private developers, public interest groups, bankers, environmental consultants, and more. With the rail construction underway in Oahu, there was also considerable interest from affordable housing developers, who had not previously interacted with the HEER Office, and were not familiar with our regulatory programs or the unique challenges of redeveloping contaminated properties in Hawaii.

Cleaning up in the Tropics

Because conditions in Hawaii are so unique, pertinent cleanup guidance that reflects local realities and the best available science is essential to ensure that risks are identified and managed appropriately and efficiently in our island home. Hawaii leads the way with state-of-the-art investigation techniques to accurately assess contamination and reduce sampling costs.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

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 funded staff positions and expert consulting prepare state-of-the-art technical guidance for the investigation and cleanup of contaminated properties. The complete on-line Technical Guidance Manual is found at: <http://www.hawaiidoh.org>

HEER Office Technical Guidance Manual (TGM) Updates

Updates to the on-line HEER Office Technical Guidance Manual (TGM) which provides direction to environmental consultants and other interested parties on strategies and methods for assessment, remediation, and closure of chemical release sites continued in FY16. Major updates to Sections 3, 4, and 5 of the TGM covering Decision Unit and Multi-increment sampling strategies and methods for soil and sediment sampling were posted on-line for stakeholder review and comment in January 2016, and revisions and additional guidance based on comments received were made in subsequent months. The final Section updates were scheduled for posting online in the fall of 2016. In addition, a new TGM Section covering guidance for use of field screening instruments was also drafted, posted for public comment, and then prepared for final TGM posting in the fall of 2016. Plans were also made to work on updates to TGM Section 6 covering Groundwater Monitoring, as well as a new TGM Section on Environmental Risk Assessment for Nearshore Marine Environments in FY2017.

HEER Office Presentations on Vapor Intrusion and Soil Sampling Strategies at a key Professional Conference

Dr. Roger Brewer presented overviews of HEER Office guidance on "Facts and Fallacies of Petroleum Vapor Intrusion" and "Discrete Soil Sample Reliability" at the Tenth International Battelle environmental remediation conference in Palm Springs, California in May 2016. Audio recordings of the presentations were also posted on YouTube as a public information resource.

HEER Office Participation in the Development of International Guidance

The Interstate Technology and Regulatory Council (ITRC) is a public-private coalition working to reduce barriers to the use of innovative environmental technologies that reduce compliance costs and maximize cleanup efficacy. ITRC produces documents and training that broaden and deepen technical knowledge and expedite quality

regulatory decision-making while protecting human health and the environment. ITRC achieves its mission through its technical teams, which are composed of environmental professionals, including state and federal environmental regulators, federal agency representatives, industry experts, community stakeholders, and academia. Environmental professionals from around the world use the guidance and training developed by the ITRC.

In FY2016, the HEER Office provided a staff member to represent Hawaii as the State ITRC Engagement Program (SEP) Point of Contact (POC) and provided three staff to work with teams to develop new guidance and training. The SEP POC ensures Hawaii's guidance is considered when creating the ITRC products and works to make the free documents and training available to Hawaii's environmental professionals. This type of coordination helps incorporate Hawaii's research into international guidance and educates Hawaii's environmental community on cutting edge technologies used elsewhere.

Additionally, because Hawaii has developed a unique Environmental Hazard Evaluation and Environmental Hazard Management Plan (EHMP) process to link the policy with the implementation, a HEER Office staff member was invited to write an Institutional Control (IC) Management Template and Long-Term Stewardship Plan which will be a key part of the ITRC technical document about long-term contaminant management. She has also been working to develop a "tool" that will ask a user questions and use the answers to auto-generate a Long-term Stewardship (LTS) Plan that incorporates Hawaii's EHMP protocols. The tool will enhance an ITRC web-based document that will be available to an international audience of regulators and private sector people. The document and the tool began the review process this FY and will be finalized during FY2017. As the guidance document is completed, the team is beginning to develop training. Because of the HEER Office experience with EHMPs and the ITRC LTS Plan, the ITRC Team Advisor asked our staff member to help develop and present web-based training. This training will be finished and presented nationally in FY2017.

Hawaii's expertise with petroleum sites has also been tapped by the ITRC. Two HEER Office staff members are working with the ITRC to develop guidance pertaining to hazards to workers, residents, and the public at sites with total petroleum hydrocarbon (TPH) contamination. This team met for the first time in FY2016 and its objective is

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

to develop a comprehensive guidance on making scientific, risk-based decisions at petroleum-contaminated sites. The HEER Office staff members will work to incorporate Hawaii's existing research into the international technical guidance that will be finalized in 2018.

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

In addition to a focus on human health, a primary goal of the HEER Office is to ensure that wildlife and the environment are protected from significant chemical hazards. Consequently, development of ecological risk assessment (ERA) guidance for chemical contamination in the near shore marine environment has been underway in recent years. In FY 2015, draft "screening level" ERA guidance was completed, and in FY 2016 associated draft "baseline" ERA guidance was completed. Plans are to present the Draft "Screening" and "Baseline" ERA guidance for thorough public review and comment in FY2017 before finalizing it, as well as host meetings or forums with target groups to discuss the new ERA guidance.

Webinar Training Series Now Available on YouTube

The HEER Office webinar series grew substantially in FY2016. Launched in 2015 to provide training to State, County and Federal Agencies and the environmental consultant community, this project is achieving its goal of developing a shared understanding of the latest scientific, technical, and policy development affecting cleanups in Hawaii. To date, we have hosted 11 training sessions on subjects from vapor intrusion guidance to the Iwilei District EMHP, to a simulcast of our well-attended Hawaii Brownfields Forum. Past webinars are available for viewing on our YouTube Channel (search *HEER Webinar Series*).

Partnering in EPA Brownfields Grants and the Brownfields Cleanup Revolving Loan Fund (BCRLF) Opportunities

Federal grant and loan opportunities can set the stage for successful redevelopment of distressed properties otherwise underutilized due to the uncertainties about the impacts of known or perceived historic contamination.

HEER works closely with US EPA and the Office of Planning at DBEDT to promote federal grant and loan funding opportunities and provide technical support to potential applicants. Information and links to Brownfields grants and funding opportunities is located at <http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/brownfields-redevelopment-program>.

Opportunities include individual and area-wide assessment and cleanup grants of up to \$200,000 for hazardous substances and \$200,000 for petroleum contamination, grants to cities and counties for Brownfield assessments and cleanup loans through DBEDT's Brownfield Revolving Loan Fund (BFRLF) of up to \$1.6 million. HEER Office provided technical assistance to the Hawaii Island Development Authority, aiding in the successful award of a \$560,000 loan from the BFRLF to cleanup a former pesticide mixing area located adjacent to their Kohala affordable housing project.

In FY2016, as a follow up to the \$400,000 Area wide Assessment Grant awarded to the Office of Hawaiian Affairs (OHA) in FY2013, HEER Office provided technical assistance to OHA to address historic preservation requirements and revise the Sampling and Analysis Plan for EPA approval. This study will allow OHA to address known contamination on the Kakaako parcel given to the agency as part of the 2013 state settlement on ceded lands.

The HEER Office provided technical assistance to City and County of Honolulu Transit Oriented Development during the procurement and selection of an environmental contractor to manage, administer and oversee the \$400,000 Brownfields Assessment Grant. Subsequently, HEER provided direct technical assistance to the selected contractor for development of the City and County Brownfields Inventory.

Brownfield Revolving Loan Fund Award Sees Construction Completion at 2nd Large Housing Project

Using a 2015 BFRLF award granted to the Hawaii Island Community Development Corporation, remedy construction was completed at a former pesticide mixing area located within a planned low-income residential community in North Kohala on the Big Island. Repayment of the loan to DBEDT will begin next year.

Previously, the BFRLF provided a \$1.6 million loan to Department of Hawaiian Homelands (DHHL) to successfully clean up a highly contaminated pesticide mixing area located within the East Kapolei residential development for native Hawaiians.

FIVE KEY EHA ENVIRONMENTAL PROGRAMS

DOH is grateful for its partnership with DBEDT to identify potential projects, see the funds awarded and these cleanups completed.

Supporting Redevelopment and Construction using Environmental Hazard Management Plans

Given the economic recovery in Hawaii, development activities on brownfields sites continue to increase, with new cranes visible across Honolulu's skyline and active commercial and residential development across the island chain. In addition to receiving new sites into the state inventory, HEER works closely with property owners and developers to ensure construction activities that could disturb residual contamination on site are properly managed.

A useful tool has been the development of construction environmental hazard management plans (EHMPs) for proactively identifying and handling contaminated media that may be encountered during construction. Development of approved construction EHMPs for development sites has allowed remediation to occur concurrently with construction by ensuring early identification and safe management of contaminated materials encountered. Pre-planning for properly handling on-site and proper disposal of contaminated materials as part of the remedial process is essential to prevent costly delays and overruns.

Intensive redevelopment in Kakaako and surrounding Ala Moana Shopping Center

Since the mid-1900s, land use in Kakaako has been classified as mixed light-industrial. Due to the importing of fill material and historic industrial uses such as service stations, auto-repair and dry cleaning, pockets of contamination in soil, groundwater and soil vapor may be present throughout the area. The most common impacts are from petroleum, heavy metals and solvents. With many properties being redeveloped, contamination caused by these historic operations is being uncovered and needs to be evaluated to protect future users of the property.

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

Community Involvement and Public Participation

Contaminated properties occur throughout our communities on all our islands. While many of these sites are in industrial areas where the likelihood of harmful exposures to the community or the natural environment is low, many sites with less visible contamination occur in areas where people live, work, and play. Identifying potential hazards in our communities and keeping the public informed about decisions and safe management of contaminated properties is a key priority for the HEER Office.

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 FY2016, HEER used contract expertise to support technical decision making by remedial project managers on ecological risk assessment, soil gas and landfill closures and areawide EHMP development.

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128D RESPONSE PROGRAM SITE LISTS 2016

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Sites Eligible for Possible Listing Under CERCLA

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

<u>List of EPA NPL Sites - FY2016</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 - FY2016</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

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

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

The FY2016 Release Notification Log lists 480 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 276 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 103 cases requiring on-site visits or off-scene coordination. 37 cases were referred to other agencies.

HEER Office Emergency Response Actions - FY2016

<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>
480	276	204	On-site: 17 Off-site: 86	To HEER SDAR: 14 To Other Agencies: 37

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HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
1	Hawaii	Water/Simple Green Mix Dumping	20150708-0943		Ocean
2	Hawaii	HELCO pad-mounted transformer #22461 release	20150710-1433		Soil
3	Hawaii	HELCO vault transformer #19031 release	20150727-1129	Mineral Oil/Transformer Oil	Soil
4	Hawaii	Historic Site Found with levels above EALS	20150728-1045		Soil
5	Hawaii	Excavated hole being filled with junk	20150811-0838	Container	Soil
6	Hawaii	Leaking fluids from a truck	20150826-1653	Hydraulic Oil	Soil
7	Hawaii	Young Brothers Barge Kukahi radiator fluid release	20150828-1029	Ethylene glycol	Ocean
8	Hawaii	HELCO transformer vault #25324 release	20150902-1250	Mineral Oil/Transformer Oil	Soil
9	Hawaii	HELCO pole-mounted transformer #20493 release	20150917-1414	Mineral Oil/Transformer Oil	Soil
10	Hawaii	Pride of America hydraulic oil spill	20150922-1238	Hydraulic Oil	Ocean
11	Hawaii	HELCO pad-mounted transformer #22201 release	20151109-0052	Mineral Oil/Transformer Oil	Soil
12	Hawaii	Pride of American hydraulic leak	20151117-1738	Hydraulic Oil	Ocean
13	Hawaii	HELCO pad-mounted transformer #33943 release	20151127-0000		Soil
14	Hawaii	HELCO pad-mounted transformer #11079 release	20151127-1458	Mineral Oil/Transformer Oil	Soil
15	Hawaii	HELCO pad-mounted transformer #33943 release	20151127-1459		Soil
16	Hawaii	HELCO pad-mounted transformer # 33943 release	20151127-2159	Mineral Oil/Transformer Oil	Soil
17	Hawaii	Costco Freon release	20151209-1926	Gas	Air
18	Hawaii	Chevron Drill Tank 12 - 22,000 barrels	20151228-0825		Ocean
19	Hawaii	Transformer oil release	20160103-1203	Mineral Oil/Transformer Oil	Gravel
20	Hawaii	Drill - Notification Drill	20160107-1400		Ocean
21	Hawaii	Fishing Vessel, 37 feet long, aground	20160109-0850		Other
22	Hawaii	Boat grounding F/V Hoku Kea	20160122-1937	Container, Diesel Oil/Marine Gas Oil, Lube Oil/Motor Oil	Coral
23	Hawaii	Hawaii Petroleum Drill	20160229-1218		Ocean
24	Hawaii	CG Cutter Kiska	20160306-0813	Diesel Oil/Marine Gas Oil	Ocean
25	Hawaii	Unknown Sheen 1142279	20160308-1131	Oil	Ocean
26	Hawaii	Sheen in Hilo Harbor	20160310-0805		Ocean
27	Hawaii	HELCO submersible transformer #25327 release	20160318-1341	Mineral Oil/Transformer Oil	Soil
28	Hawaii	White Substance in Kawaihae Harbor	20160402-1415		Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
29	Hawaii	HELCO pole-mounted transformer #29101	20160414-1404	Mineral Oil/Transformer Oil	Soil
30	Hawaii	HELCO pad-mounted transformer #32475 release	20160418-1106	Mineral Oil/Transformer Oil	Soil
31	Hawaii	Diesel Sheen Near Pride of America	20160420-1438		Ocean
32	Hawaii	HELCO pole-mounted transformer #41752 release	20160425-1406	Mineral Oil/Transformer Oil	Soil
33	Hawaii	Unknown Sheen NRC 1146163	20160425-1511	Oil	Ocean
34	Hawaii	S/V Calliope	20160425-1753	Container, Fuel Oil, Gasoline	Ocean
35	Hawaii	Floating drum	20160511-1420	Liquid	Ocean
36	Hawaii	Alleged Pesticide Effect	20160517-0810	Gas	Other
37	Hawaii	HPM Diesel Fuel Delivery Truck release	20160602-0917	Diesel Oil/Marine Gas Oil	Soil
38	Hawaii	Hawaiian Paradise Park Owners' Association Warehouse Oil Release	20160603-1120	Oil	Soil
39	Hawaii	Diesel Spill	20160606-1349	Diesel Oil/Marine Gas Oil	Soil
40	Hawaii	Jack's Tours motor oil release	20160606-1422	Lube Oil/Motor Oil	Soil
41	Hawaii	C/V Pride of America release	20160614-1109		Ocean
42	Hawaii	Petroleum contamination discovery	20160616-1257	Oil	Soil
43	Hawaii	COSTCO (Kailua-Kona) Freon release	20160627-0648	Gas	Air
44	Kauai	Cylinders on beach	20150710-1525	Compressed Gas Cylinder	Other
45	Kauai	Residential trash truck oil release during pick up unknown to operator	20150805-0849	Oil	Asphalt
46	Kauai	Potential to release of rinse water	20150813-0830	Sodium hypochlorite	Concrete
47	Kauai	Alleged Meth Lab	20150924-0827		Within Facility
48	Kauai	Abandon AMFAC AST's Nawiliwili Harbor	20151120-1411	Oil	Within Facility
49	Kauai	Possible Chlordane Discovery at Kauai High	20151124-1112	Chlordane	Soil
50	Kauai	Overtured boat	20151209-1545	Oil	Ocean
51	Kauai	Drill Chevron Port Allen Drill	20151210-1445		Ocean
52	Kauai	Hawaii Gas propane delivery truck diesel spill	20160106-0800	Diesel Oil/Marine Gas Oil	Asphalt
53	Kauai	Small Boat capsized in Harbor	20160227-1633		Ocean
54	Kauai	Kauai Veterans Express Trucking diesel spill	20160324-1153	Diesel Oil/Marine Gas Oil	Asphalt
55	Kauai	Compressed gas cylinder	20160413-1452	Compressed Gas Cylinder	Within Facility

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
56	Kauai	Fuel Spill in Nawiliwili Harbor	20160506-1114		Ocean
57	Kauai	Sewage Spill	20160610-1320	Sewage	Ocean
58	Maui	F/V Hokua	20150720-0853	Diesel Oil/Marine Gas Oil	Ocean
59	Maui	MECO pad-mounted transformer #8433 release	20150724-1301	Mineral Oil/Transformer Oil	Soil
60	Maui	MECO pad-mounted transformer # 14925 release	20150727-1130	Mineral Oil/Transformer Oil	Soil
61	Maui	Pole-Mounted Transformer (Pole E2-24) Oil Release	20150804-1151	Mineral Oil/Transformer Oil	Soil
62	Maui	Maalaea Harbor sheen	20150825-0727		Ocean
63	Maui	Alleged Unexploded ordnance	20150829-1626		Air
64	Maui	Fugitive Location Marker	20150829-1915		Ocean
65	Maui	MAUI PAD-MOUNTED TRANSFORMER #17067 RELEASE	20150904-1307	Mineral Oil/Transformer Oil	Soil
66	Maui	MECO pad-mounted transformer # 9751 release	20150921-1016	Mineral Oil/Transformer Oil	Soil
67	Maui	MECO POLE-MOUNTED TRANSFORMER #7731 RELEASE	20150929-1343	Mineral Oil/Transformer Oil	Soil
68	Maui	Diesel Spill at HC&S	20151002-0501	Diesel Oil/Marine Gas Oil	Soil
69	Maui	MECO hydraulic oil release	20151007-1226	Hydraulic Oil	Asphalt
70	Maui	MECO hydraulic oil release	20151007-1227	Hydraulic Oil	Asphalt
71	Maui	MECO diesel spill from generator day tank	20151020-1334	Diesel Oil/Marine Gas Oil	Soil
72	Maui	MECO annual oil spill exercise	20151021-0755		Other
73	Maui	MECO pad-mounted transformer #13446 release	20151026-1357	Mineral Oil/Transformer Oil	Soil
74	Maui	MECO pad-mounted transformer #14579 release	20151029-1415	Mineral Oil/Transformer Oil	Soil
75	Maui	MECO pole-mounted transformer #16746 release	20151030-1624	Mineral Oil/Transformer Oil	Soil
76	Maui	MECO pad-mounted transformer #9651 release	20151106-1547	Mineral Oil/Transformer Oil	Soil
77	Maui	MECO pad-mounted transformer #9698 release	20151106-1549	Mineral Oil/Transformer Oil	Concrete
78	Maui	MECO pad-mounted transformer #14492 release	20151117-1548	Mineral Oil/Transformer Oil	Soil
79	Maui	MECO pad-mounted transformer #16393 release	20151125-1459	Mineral Oil/Transformer Oil	Soil
80	Maui	Drill Oil Spill Drill	20151130-1613	Jet Fuel/Kerosene	Asphalt
81	Maui	DOT Highways Baseyard Co-planar transfer of diesel release	20151207-1320	Diesel Oil/Marine Gas Oil	Asphalt
82	Maui	MECO pad-mounted transformer #17468 release	20160107-1406	Mineral Oil/Transformer Oil	Concrete
83	Maui	MECO pad-mounted transformer #16128 release	20160107-1407	Mineral Oil/Transformer Oil	Concrete
84	Maui	MECO transformer vault #14 release	20160115-1740	Mineral Oil/Transformer Oil	Soil

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
85	Maui	MECO pole-mounted transformer #8101 release	20160121-1356	Mineral Oil/Transformer Oil	Soil
86	Maui	MECO pad-mounted transformer #8529 release	20160125-1436	Mineral Oil/Transformer Oil	Concrete
87	Maui	Blue substance dumped into water sanctuary	20160130-1605		Lake
88	Maui	Transformer Spill on Maui Non-PCB	20160130-2224		Soil
89	Maui	MECO pad-mounted transformer #8530 release	20160208-1500	Mineral Oil/Transformer Oil	Soil
90	Maui	MECO pad-mounted transformer #15859 release	20160208-1601	Mineral Oil/Transformer Oil	Concrete
91	Maui	Non-PCB transformer (TSF #15121 SN: 96J187261) release	20160212-1417	Mineral Oil/Transformer Oil	Concrete
92	Maui	MECO PAD-MOUNTED TRANSFORMER #16913 RELEASE	20160212-1421	Mineral Oil/Transformer Oil	Concrete
93	Maui	MECO pad-mounted transformer #8571 release	20160218-1136	Mineral Oil/Transformer Oil	Soil
94	Maui	MECO pole-mounted transformer #24160 release	20160222-1605	Mineral Oil/Transformer Oil	Soil
95	Maui	MECO PAR-MOUNTED TRANSFORMER #16476 RELEASE	20160222-1607	Mineral Oil/Transformer Oil	Soil
96	Maui	MECO pad-mounted transformer #9190 release	20160223-0939	Mineral Oil/Transformer Oil	Soil
97	Maui	MECO pad-mounted transformer #16103 release	20160223-1127	Mineral Oil/Transformer Oil	Concrete
98	Maui	MECO pad-mounted transformer #10900 release	20160223-1128	Mineral Oil/Transformer Oil	Concrete
99	Maui	MECO pad-mounted transformer #8571 release	20160229-1736	Mineral Oil/Transformer Oil	Soil
100	Maui	MECO pad-mounted transformer #13937 release	20160308-0928	Mineral Oil/Transformer Oil	Soil
101	Maui	MECO pad-mounted transformer #15574 release	20160308-0932	Mineral Oil/Transformer Oil	Soil
102	Maui	Boat hard aground, potential leak off Makena	20160309-1616		Ocean
103	Maui	MECO pad-mounted transformer #7744 release	20160321-1552	Mineral Oil/Transformer Oil	Soil
104	Maui	Costco Maui Orange Juice spill	20160322-1035	Liquid	Storm Drain
105	Maui	Flare found on beach	20160323-1743	Container	Ocean
106	Maui	MECO pad-mounted transformer #11589 release	20160328-0937	Mineral Oil/Transformer Oil	Soil
107	Maui	No water at home	20160330-0929	Liquid	Other
108	Maui	Transformer Spill in Maui due to car accident	20160403-0845		Ocean
109	Maui	Fishing Vessel Reel Hooker sinking	20160407-2021	Oil	Ocean
110	Maui	MECO pad-mounted transformer #11863 release	20160414-1405	Mineral Oil/Transformer Oil	Soil
111	Maui	20' "Rina B" grounding	20160417-1934		Ocean
112	Maui	MECO pad-mounted transformer #12112 release	20160418-1105	Mineral Oil/Transformer Oil	Concrete
113	Maui	MECO subterranean transformer #11080 release	20160422-1401	Mineral Oil/Transformer Oil	Soil

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114	Maui	MECO PAD-MOUNTED TRANSFORMER #11589 RELEASE	20160428-1403		Soil
115	Maui	complaint against Maui Gas Services	20160505-1422	Gas	Air
116	Maui	MECO pad-mounted transformer #19279 release	20160505-1444	Mineral Oil/Transformer Oil	Soil
117	Maui	Sailboat Cebadora grounding	20160509-1028	Diesel Oil/Marine Gas Oil	Ocean
118	Maui	MECO Transformer # 21871 Release	20160517-1640	Mineral Oil/Transformer Oil	Soil
119	Maui	MECO PAD-MOUNTED TRANSFORMER #16056 RELEASE	20160523-1129	Mineral Oil/Transformer Oil	Concrete
120	Maui	MECO transformer #74219679 release	20160523-1130	Mineral Oil/Transformer Oil	Soil
121	Maui	MECO pad-mounted transformer #16262 release	20160527-1143	Mineral Oil/Transformer Oil	Soil
122	Maui	Alleged Oil Spill on Road	20160606-1306	Oil	Asphalt
123	Maui	MECO pad-mounted transformer #11771 release	20160620-0844	Mineral Oil/Transformer Oil	Soil
124	Maui	MECO sub. transformer #8622 release	20160627-1622	Mineral Oil/Transformer Oil	Soil
125	Molokai	Unknown Sheen NRC 1137700	20160109-1553	Sewage	Ocean
126	Molokai	Maui Paving Asphalt Plant petroleum contamination discovery	20160624-0914	Diesel Oil/Marine Gas Oil, Oil	Gravel
127	Oahu	Scrap metal pile fire	20150704-1116	Gas	Air
128	Oahu	Black liquid on floor	20150709-1532	Liquid	Within Facility
129	Oahu	Kauai Petroleum loading rack drill	20150710-1021	Diesel Oil/Marine Gas Oil	Storm Drain
130	Oahu	USS City of Corpus Christi	20150710-1146	Liquid	Ocean
131	Oahu	Unknown sheen	20150713-0915		Ocean
132	Oahu	HECO pad-mounted transformer #71378 release	20150713-1301	Mineral Oil/Transformer Oil	Soil
133	Oahu	HECO pole-mounted transformer #59222 release	20150713-1302	Mineral Oil/Transformer Oil	Soil
134	Oahu	HECO pad-mounted transformer #67150 release	20150713-1723	Mineral Oil/Transformer Oil	Soil
135	Oahu	Sheen in water	20150714-0415		Ocean
136	Oahu	Chevron Gas Station spill	20150714-1415		Concrete
137	Oahu	Sheen in water	20150714-1615	Oil	Ocean
138	Oahu	Sheen at Honolulu Harbor	20150714-1824		Ocean
139	Oahu	Not a hazardous substance release	20150715-0714	Container	Other
140	Oahu	Security breach	20150715-1300		Within Facility
141	Oahu	HART Airport Segment Utility Trench 20150723-001	20150716-1040		Soil

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142	Oahu	Sheen	20150719-0900	Oily Water Mixture	Ocean
143	Oahu	sheen in Honolulu Harbor by USCG base	20150722-0832	Liquid	Ocean
144	Oahu	Abandoned 300-gallon tote at former dirt race track at Kalaeloa	20150722-1238	Petroleum Hydrocarbon	Soil
145	Oahu	Unknown oil spill from inactive ship	20150723-1155	LNG/LPG	Ocean
146	Oahu	Oil discharge	20150723-1455		Ocean
147	Oahu	NOAA ship paint spill	20150723-1751	Liquid	Ocean
148	Oahu	S/V Pleasure grounding	20150724-0742		Other
149	Oahu	Lube oil spill from trash bin	20150725-1239	Lube Oil/Motor Oil	Asphalt
150	Oahu	S/V Nai'a grounding	20150725-2046	Diesel Oil/Marine Gas Oil, Lube Oil/Motor Oil	Ocean
151	Oahu	USS Cheyenne bilge water discharge	20150727-1027	Oily Water Mixture	Ocean
152	Oahu	Petroleum contamination analytically discovered on property	20150727-1558	Benzene, Diesel Oil/Marine Gas Oil, Ethylbenzene, Oil	Soil
153	Oahu	Person Jumped in the Harbor	20150803-1156	Container	Other
154	Oahu	HIE Refinery Light Naphtha/LPG release	20150803-1240		Air
155	Oahu	Pacific Biodiesel Grease Trap Release from hose	20150803-1600	Edible/Vegetable Oil	Asphalt
156	Oahu	Non-Release	20150804-0815	Container	Within Facility
157	Oahu	HART MSF Utility Trench	20150804-1637	Oil	Groundwater
158	Oahu	Diesel Spill in Ko'olina	20150805-1311	Diesel Oil/Marine Gas Oil	Ocean
159	Oahu	HECO pole-mounted transformer #60828 release	20150806-1610	Mineral Oil/Transformer Oil	Soil
160	Oahu	United Airlines from hose of fuel truck release	20150806-2054	Jet Fuel/Kerosene	Concrete
161	Oahu	Chevron Gas Station release	20150807-0648	Gasoline	Concrete
162	Oahu	Radford High Soil Contamination from Trench Work	20150807-0928		Soil
163	Oahu	HECO pad-mounted transformer #60714 release	20150807-1610	Mineral Oil/Transformer Oil	Soil
164	Oahu	HECO pad-mounted transformer #62842 release	20150807-1611	Mineral Oil/Transformer Oil	Soil
165	Oahu	Potential to release	20150809-1325	Gasoline	Ocean
166	Oahu	Brown floating substance	20150810-0808		Ocean
167	Oahu	NRC 1125131	20150810-0809		Other
168	Oahu	Sunken vessel approximately 40 miles from shore	20150810-0810		Ocean

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169	Oahu	Pile of rubbish	20150811-1521	Solid Waste	Soil
170	Oahu	Cooking oil spill	20150811-1530	Edible/Vegetable Oil	Ocean
171	Oahu	Submerged fishing boat	20150812-1054	Container, Diesel Oil/Marine Gas Oil	Ocean
172	Oahu	HECO pad-mounted transformer #71318 release	20150814-0141	Mineral Oil/Transformer Oil	Soil
173	Oahu	mysterious sheen (400' x 20')	20150814-0847	Oil	Ocean
174	Oahu	mysterious sheen in stream	20150814-1012	Oil	Stream
175	Oahu	Landmark Aviation release	20150819-2330	Jet Fuel/Kerosene	Within Facility
176	Oahu	Dormer Tandal's Waipahu 76 Service Station	20150821-0840	Oil	Other
177	Oahu	Sewage spill	20150824-1006	Sewage	Ocean
178	Oahu	Pomaikai Transport truck diesel release	20150824-1755	Diesel Oil/Marine Gas Oil	Asphalt
179	Oahu	HIE Sulfur Dioxide Release	20150825-0630	Sulfur dioxide	Air
180	Oahu	HART Environmental Incident Report 27	20150825-1011	Diesel Oil/Marine Gas Oil	Soil
181	Oahu	Surface Paving Tack Coating release	20150825-1145	Asphalt/Creosote	Asphalt
182	Oahu	Iolani Court Plaza indoor air odor	20150826-1020	Odor	Air
183	Oahu	Unknown Sheen	20150827-0915	Oil	Ocean
184	Oahu	NOAA Oscar Elton release	20150827-0938	Lube Oil/Motor Oil	Ocean
185	Oahu	HECO pad-mounted transformer #75565 release	20150827-1027	Mineral Oil/Transformer Oil	Soil
186	Oahu	HECO pad-mounted transformer #73299 release	20150827-1028	Mineral Oil/Transformer Oil	Soil
187	Oahu	USS City of Corpus Christi SSN705	20150827-1117	Lube Oil/Motor Oil	Ocean
188	Oahu	Chevron 94-380 Mokuola St release	20150827-1645	Gasoline	Concrete
189	Oahu	Hawaiian Electric underground electrical fire	20150830-1046	Odor	Air
190	Oahu	Smell of sewage at the water hazard by Turtle Bay Golf Course's 18th hole	20150830-1345		Other
191	Oahu	Odor in Air Conditioning Unit	20150831-0800		Air
192	Oahu	mysterious oil-like substance coming up from ground with water	20150831-0847	Liquid	Concrete
193	Oahu	Non-release	20150831-0932	Container	Other
194	Oahu	HART Rail non-release	20150831-1633		Soil
195	Oahu	King's Disposal Abandonment of Waste	20150901-1300		Trash Truck

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196	Oahu	Illegal Dumping	20150903-1055	Compressed Gas Cylinder, Container	Drum/Container
197	Oahu	HECO pole-mounted transformer #21775 release	20150904-1306	Mineral Oil/Transformer Oil	Soil
198	Oahu	Ocean Pointe tack coat release	20150914-1254	Asphalt/Creosote	Storm Drain
199	Oahu	Punahou School Chlordane Discovery	20150915-1346		Soil
200	Oahu	hydraulic spill Atkinson	20150917-1135	Hydraulic Oil	Asphalt
201	Oahu	oil spill H3	20150917-1136	Gasoline, Oil	Concrete
202	Oahu	Exercise	20150918-0852		Within Facility
203	Oahu	Leaking drum on sidewalk	20150918-1315		Concrete
204	Oahu	unknown hydraulic spill on H1	20150918-1700	Hydraulic Oil	Asphalt
205	Oahu	Sulfur Dioxide release	20150921-0550	Sulfur dioxide	Air
206	Oahu	Allegations of Pesticide Spraying	20150921-0901		Soil
207	Oahu	Sewage Release	20150921-1046	Sewage	Storm Drain
208	Oahu	Drill	20150922-0811		Other
209	Oahu	HECO PAD-MOUNTED TRANSFORMER #70856 RELEASE	20150923-1401	Mineral Oil/Transformer Oil	Soil
210	Oahu	HECO pole-mounted transformer #75651 release	20150923-1402	Mineral Oil/Transformer Oil	Soil
211	Oahu	HECO pole-mounted transformer #60538 release	20150923-1403	Mineral Oil/Transformer Oil	Soil
212	Oahu	Oil Spill	20150924-1350	Oil	Ocean
213	Oahu	D&K Petroleum tanker transfer hose break	20150924-1840	Gasoline	Within Facility
214	Oahu	Mysterious tar-like layer 3' below airfield asphalt	20150929-0943		Coral
215	Oahu	HECO pole-mounter transformer #76358 release	20150929-1342	Mineral Oil/Transformer Oil	Soil
216	Oahu	Cylinder at the beach near Pono Kai (Kapaa)	20151005-0946	Compressed Gas Cylinder	Other
217	Oahu	Oil discovery Kalaeloa Boulevard	20151005-1103	Oil	Coral
218	Oahu	ASIG calibration tank overflow	20151006-1344	Jet Fuel/Kerosene	Gravel
219	Oahu	mysterious substance in unit	20151007-1401	Liquid	Other
220	Oahu	Chevron historic Waiau release residue	20151008-0708	Oil	Stream
221	Oahu	Slipper Island Acetone drums	20151009-1149	Container	Vegetation
222	Oahu	A fallen tote container ruptured leaking gasoline	20151009-2248	Gasoline	Soil
223	Oahu	Sheen Ala Wai Harbor	20151012-1830	Oil	Ocean

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224	Oahu	Unknown Sheen	20151014-1100	Oil	Ocean
225	Oahu	Unknown Sheen	20151014-1138	Oil	Ocean
226	Oahu	Chevron historic Waiau release residue	20151015-1231		Stream
227	Oahu	Honolulu Harbor Pier 15 abandon pipeline leak	20151016-1357		Ocean
228	Oahu	NRC 1131051	20151016-2115		Ocean
229	Oahu	NAVSEA Utility Boat #2	20151018-1145	Diesel Oil/Marine Gas Oil, Hydraulic Oil	Ocean
230	Oahu	Unknown Sheen NRC 1131144	20151019-0756	Oil	Ocean
231	Oahu	HECO pole-mounted transformer #68009 release	20151020-1332	Mineral Oil/Transformer Oil	Soil
232	Oahu	HECO pad-mounted transformer #55976 release	20151020-1333	Mineral Oil/Transformer Oil	Soil
233	Oahu	HECO pad-mounted transformer #68382 release	20151020-1335	Mineral Oil/Transformer Oil	Soil
234	Oahu	Spill by Navy Sub in Pearl Harbor	20151021-1240	Edible/Vegetable Oil, Hydraulic Oil	Ocean
235	Oahu	Mercury spill	20151026-1806	Mercury	Asphalt
236	Oahu	Landmark Aviation fuel spill	20151027-0615	Jet Fuel/Kerosene	Concrete
237	Oahu	Navy annual oil spill exercise	20151027-0800	Jet Fuel/Kerosene	Ocean
238	Oahu	Grounded vessel "Lady 1" Waialae Beach Park	20151028-0816	Diesel Oil/Marine Gas Oil	Coral
239	Oahu	HECO transformer accident	20151028-1110	Mineral Oil/Transformer Oil	Asphalt
240	Oahu	USS Paul Hamilton (DDG 60) Paint Spill	20151029-1137	Solid Waste	Ocean
241	Oahu	HECO pole-mounted transformer #71555 release	20151029-1416	Mineral Oil/Transformer Oil	Soil
242	Oahu	HECO pad-mounted transformer #60022 release	20151029-1417	Mineral Oil/Transformer Oil	Soil
243	Oahu	Kirby Off-shore Marine hose end cap spray release	20151030-0756	Fuel Oil	Concrete
244	Oahu	Kiewit Rail Construction Shaft 321	20151030-0921		Other
245	Oahu	HECO pole-mounted transformer #11144 release	20151104-1406	Mineral Oil/Transformer Oil	Soil
246	Oahu	HECO pole mounted transformer #52821 release	20151104-1407	Mineral Oil/Transformer Oil	Soil
247	Oahu	Matson Hydraulic Oil	20151104-1719		Ocean
248	Oahu	Gas Station Gasoline Release	20151105-2155	Gasoline	Asphalt
249	Oahu	Security Breach	20151106-1330	Container	Other
250	Oahu	Dye Marker Release due to rain	20151107-1350	Container	Storm Drain

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251	Oahu	Possible Sheen on the Ala Wai 11-9-15	20151109-2107	Oil	Ocean
252	Oahu	Oil discovery Kalaeloa Boulevard while trenching for storm drain project	20151111-1356	Petroleum Hydrocarbon	Soil
253	Oahu	Odor complaint	20151112-0730		Air
254	Oahu	Spray painting over food	20151112-1400	Gas	Air
255	Oahu	Abandon Drums near Halawa Stream	20151113-1030		Drum/Container
256	Oahu	Boat grounding Gypsy Runner Kaneohe Bay	20151117-0654		Ocean
257	Oahu	USS Normandy diesel marine spill	20151117-1135	Diesel Oil/Marine Gas Oil	Ocean
258	Oahu	Unknown sheen by Hale Inn Sports Bar	20151117-1827	Oil	Ocean
259	Oahu	HART shaft 325	20151118-1038	Odor	Soil
260	Oahu	Oil discovery while trenching for a sewer project Kalaeloa Boulevard	20151119-0943	Oil	Soil
261	Oahu	Abandoned make-shift trailer tank	20151119-1121	Diesel Oil/Marine Gas Oil	Air
262	Oahu	Kalaka Nui LLC. truck hydroplaned and jack-knifed	20151120-0830	Hydraulic Oil	Soil
263	Oahu	Unusual odors	20151120-0857	Odor	Air
264	Oahu	Unknown sheen in pond Waiau	20151123-1112	Oil	Stream
265	Oahu	NRC 1134237	20151124-0900	Waste Oil	Ocean
266	Oahu	Alleged dumping	20151125-0759	Liquid	Soil
267	Oahu	Security Breach	20151125-1102	Container	Other
268	Oahu	Aloha Air Cargo Jet Fuel Release	20151130-0530	Jet Fuel/Kerosene	Asphalt
269	Oahu	HART Rail project shaft 205	20151202-1550	Gasoline	Soil
270	Oahu	Trenching by T. Yoshimura Contracting Inc.	20151207-1430	Lead	Soil
271	Oahu	HECO pad-mounted transformer #13545 release	20151207-1446	Mineral Oil/Transformer Oil	Concrete
272	Oahu	HECO pad-mounted transformer # 86241 release	20151207-1730	Mineral Oil/Transformer Oil	Soil
273	Oahu	HECO pad-mounted transformer #59702 release	20151207-1731	Mineral Oil/Transformer Oil	Soil
274	Oahu	Capsized facility response vessel	20151208-0758	Gasoline	Ocean
275	Oahu	Northwest Energy Innovations release	20151208-0800	Hydraulic Oil	Ocean
276	Oahu	Suspicious letter	20151209-0905	Container	Other
277	Oahu	Grace Pacific ecodiesel spill	20151209-1204	Biodiesel	Soil

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278	Oahu	Boat sank in marina	20151210-1053		Ocean
279	Oahu	Car in water	20151210-1236		Stream
280	Oahu	Diesel odor from neighbor's yard	20151214-1023	Diesel Oil/Marine Gas Oil	Air
281	Oahu	Waipahu Dry Cleaners release	20151214-1040	Vinyl chloride	Soil
282	Oahu	Aloha Petroleum tanker overfill	20151216-0430	Gasoline Copper, Lead, Petroleum	Within Facility
283	Oahu	Former Shell Gas Station release	20151216-0855	Hydrocarbon	Soil
284	Oahu	Drill Chevron Refinery Drill	20151217-0841	Fuel Oil	Within Facility
285	Oahu	Vessel Skinautique On Fire and Sank	20151217-0940	Solid Waste	Ocean
286	Oahu	Dead fish	20151219-1110	Sewage	Air
287	Oahu	HECO pole-mounted transformer #12211 release	20151221-1728	Mineral Oil/Transformer Oil	Soil
288	Oahu	HECO pole-mounted transformer #68540 release	20151221-1729	Mineral Oil/Transformer Oil	Soil
289	Oahu	251 Puuhale Road drums	20151224-1025	Gasoline	Drum/Container
290	Oahu	Costco Iwilei Freon release	20151228-1156	Gas	Air
291	Oahu	Vacuum truck hose release of ethylene glycol	20151229-1420	Ethylene glycol Diesel Oil/Marine Gas Oil, Lube	Ocean
292	Oahu	Fishing vessel "Da Opailolo II" grounding	20160101-0841	Oil/Motor Oil	Other
293	Oahu	Container truck cab fire H3 Historical release discovery during Kalaeloa Blvd	20160104-1430	Petroleum Hydrocarbon	Storm Drain
294	Oahu	improvements, incident #4	20160105-1533	Oil	Soil
295	Oahu	HECO Three x Pole-Mounted Transformers release	20160106-1130	Mineral Oil/Transformer Oil	Soil
296	Oahu	Unknown sheen 1137432	20160106-1740	Oil	Ocean
297	Oahu	Hawaii Gas 8" line SNG release	20160107-1304	Petroleum Hydrocarbon	Air
298	Oahu	HECO pole -mounted transformer #70852 release	20160108-1545	Mineral Oil/Transformer Oil	Concrete
299	Oahu	NRC 1137665	20160109-0933	Gasoline	Ocean
300	Oahu	Oil Contamination	20160111-0843	Diesel Oil/Marine Gas Oil	Soil
301	Oahu	HECO pad-mounted transformer #47910 release	20160111-1406	Mineral Oil/Transformer Oil	Soil
302	Oahu	Unknown sheen	20160111-2028	Oil	Stream
303	Oahu	Hawaii Gas 8" line SNG release	20160113-1444		Air
304	Oahu	Lube oil sheen in Honolulu Harbor	20160114-1615		Ocean

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305	Oahu	Marine helicopter crash north shore	20160115-0300	Jet Fuel/Kerosene	Ocean
306	Oahu	MCBH's helicopters in-flight collision north shore Oahu	20160115-0952	Jet Fuel/Kerosene	Ocean
307	Oahu	HECO pad-mounted transformer #60022 release	20160115-1739	Mineral Oil/Transformer Oil	Soil
308	Oahu	Honolulu Harbor sheen from unknown source	20160119-0834	Oil	Ocean
309	Oahu	De-watering caused flooding and forced road closure on Kahala Avenue	20160120-0514	Liquid	Impermeable Surface
310	Oahu	Large sheen of unknown source at Ala Wai Boat Harbor	20160120-1651	Oil	Ocean
311	Oahu	Release of Ferric Chloride from ISO tank during transport Kahala Shell car wash water draining into street & storm drains	20160121-0916	Ferric chloride	Within Facility
312	Oahu		20160121-1244	Liquid	Storm Drain
313	Oahu	Sheen from unknown source impacting USS Chafee	20160121-1347	Oil	Ocean
314	Oahu	HECO pad-mounted transformer #71037 release	20160122-0944	Mineral Oil/Transformer Oil	Soil
315	Oahu	HECO pad-mounted transformer # 71240 release	20160122-1438	Mineral Oil/Transformer Oil	Soil
316	Oahu	United Airlines hydraulic fluid spill at maintenance facility	20160123-0922	Hydraulic Oil	Concrete
317	Oahu	Hawaiian Independent Energy SO2 release	20160124-0625	Sulfur dioxide	Air
318	Oahu	HECO pole-mounted transformers #68130 & 68131 release	20160125-1435	Mineral Oil/Transformer Oil	Concrete
319	Oahu	HECO pad-mounted transformer #60331 release	20160125-1437	Mineral Oil/Transformer Oil	Soil
320	Oahu	HECO pole-mounted transformer # 72624 release	20160125-1438	Mineral Oil/Transformer Oil	Soil
321	Oahu	discovery of oil during utility trenching #5 incident	20160128-0926	Asphalt/Creosote	Soil
322	Oahu	F/V Hana Hou diesel spill	20160128-1306	Diesel Oil/Marine Gas Oil	Ocean
323	Oahu	Disturbing odor	20160202-1220	Odor	Air
324	Oahu	Plane crashed on Keehi Lagoon	20160202-1435	Aviation Gasoline	Ocean
325	Oahu	Odor	20160203-1137	Odor	Air
326	Oahu	Floating Dry Dock "Kulamano" disposal at sea	20160203-1326		Ocean
327	Oahu	Illegal dumping of paint cans	20160203-1445	Container	Other
328	Oahu	USS Chafee release	20160204-1503	Diesel Oil/Marine Gas Oil	Ocean
329	Oahu	Landmark Aviation tanker truck release	20160204-1544	Jet Fuel/Kerosene	Within Facility
330	Oahu	Tug Moana Holo release	20160204-2255	Oil, Waste	Ocean
331	Oahu	Chevron	20160205-1743	Gasoline	Concrete

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
332	Oahu	Unknown Sheen	20160206-1800	Oil	Ocean
333	Oahu	Weathered oil sheen	20160208-0654	Oil	Ocean
334	Oahu	S/V Hokulea grounding	20160208-0946	Gasoline	Coral
335	Oahu	Unknown white liquid running down street into storm drain	20160209-1308	Liquid	Storm Drain
336	Oahu	Grounded 30' sailboat "Sayonara"	20160210-0205		Coral
337	Oahu	Abandoned vessel	20160210-0247		Ocean
338	Oahu	Allegation of lead in bracelets	20160211-1350	Lead	Other
339	Oahu	Car paint chips all over the place	20160212-1122	Powder	Soil
340	Oahu	HECO pad-mounted transformer #58996 release	20160212-1422	Mineral Oil/Transformer Oil	Soil
341	Oahu	HECO Pad-Mount Transformer 33481	20160212-1423	Mineral Oil/Transformer Oil	Soil
342	Oahu	Transformer oil release when car knocks over pole	20160213-0415	Mineral Oil/Transformer Oil	Asphalt
343	Oahu	Radioactive load detected at scale	20160213-1220	Container	Trash Truck
344	Oahu	Jet ski washed ashore	20160213-1844		Other
345	Oahu	Abandon helium cylinder	20160214-1658	Compressed Gas Cylinder	Drum/Container
346	Oahu	Steel form fell off Rail guideway	20160214-2145	Container	Stream
347	Oahu	Debris in Nuuanu Stream	20160215-1414	Container	Stream
348	Oahu	Swimming pool water discharge into storm drain	20160215-1759	Liquid	Storm Drain
349	Oahu	RCRA Biennial Report submission	20160216-0824		Other
350	Oahu	Star of Honolulu Fuel Release	20160217-0809		Ocean
351	Oahu	Tour helicopter crash landed in waters of Pearl Harbor	20160218-1121		Ocean
352	Oahu	EcoLab Poly-Brite 55-gallon Plastic Drum Washed Ashore	20160218-1704	Container	Drum/Container
353	Oahu	M/V New Venture	20160221-0955	Solid Waste	Ocean
354	Oahu	Soapy water in the Harbor	20160222-0930		Ocean
355	Oahu	HECO pole-mounted transformer #52162 release	20160222-1606	Mineral Oil/Transformer Oil	Soil
356	Oahu	Asphalt spill by Campbell Industrial Area	20160223-1310		Concrete
357	Oahu	Unknown Sheen by Sand Island	20160223-1635		Ocean
358	Oahu	Transmission Fluid Spill at Pearl Harbor	20160225-0645		Concrete
359	Oahu	Refrigerant Gas Released from Ship	20160225-0952		Air
360	Oahu	Odor	20160229-0736	Odor	Air

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
361	Oahu	Citric Acid bags dumped side of private road in Kailua	20160229-0906	Powder	Other
362	Oahu	USCG Cutter Kittiwake Sewage Spill	20160229-1043	Sewage	Ocean
363	Oahu	Black substance discovered while excavating; #6 incident for the project	20160229-1353	Petroleum Hydrocarbon	Soil
364	Oahu	Unknown Sheen NRC 1141691	20160229-1615	Diesel Oil/Marine Gas Oil	Ocean
365	Oahu	Aiea Fire Station UST State Site	20160302-1249	Trichloroethylene	Soil
366	Oahu	Kapolei Refinery Release in Containment Area	20160303-1334		Soil
367	Oahu	Kapaa Quarry Recycling, Inc.	20160304-1130		Soil
368	Oahu	Possible Paris Green discovery Kapaa Quarry Recycling Radford High School contaminated	20160304-1330	Arsenic, Copper, Lead	Other
369	Oahu	waste	20160304-1529		Soil
370	Oahu	Unexploded ordnance NRC 1142018	20160304-1733	Phosphorus (yellow or white)	Other
371	Oahu	Boston Whaler Capsized NRC 1142036	20160305-1230	Oil	Ocean
372	Oahu	HECO pole-mounted transformer #52824 release	20160307-1048	Mineral Oil/Transformer Oil	Soil
373	Oahu	Alleged CS	20160307-1055	Powder	Air
374	Oahu	Unknown Sheen by Pier 33 Honolulu Harbor	20160307-1208		Ocean
375	Oahu	Sheen from the USS Navajo	20160307-2303		Ocean
376	Oahu	HECO pole-mounted transformer #46400 release	20160308-0927	Mineral Oil/Transformer Oil	Soil
377	Oahu	LPG Refinery Release	20160308-1945		Air
378	Oahu	28 ft. sailboat probably broke its mooring	20160309-0757		Ocean
379	Oahu	Oily Water from a manhole cover at Pearl Harbor	20160311-0951		Concrete
380	Oahu	Sewage Water from a man hole cover	20160311-1035		Concrete
381	Oahu	Oil sheen from unknown source	20160312-1034	Oil	Ocean
382	Oahu	HECO pad-mounted transformer #70764 release	20160316-1725	Mineral Oil/Transformer Oil	Soil
383	Oahu	Mysterious oil oozing from trench wall	20160317-1115	Oil	Coral
384	Oahu	Vehicle gas tank with hole leaked	20160318-1239	Gasoline	Concrete
385	Oahu	HART Contaminated soil Discovery near Center Drive	20160321-0945	Oil	Soil
386	Oahu	Hawaiian Electric Honolulu Power Plant	20160321-1015	Oil, Polychlorinated biphenyls	Soil
387	Oahu	Oil sheen report	20160321-1035	Wastewater	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
388	Oahu	Unknown Sheen 1143492	20160322-1408	Oil	Ocean
389	Oahu	Hydraulic oil release	20160322-1510	Hydraulic Oil	Soil
390	Oahu	Drill NRC 1143552	20160323-1033	Hydraulic Oil	Ocean
391	Oahu	Melted auto battery	20160323-1115	Lead	Asphalt
392	Oahu	Unknown slick	20160323-1520	Liquid	Ocean
393	Oahu	City and County of Honolulu Baseyard at Halawa	20160324-1426	Oil	Soil
394	Oahu	Unknown sheen 1143713	20160325-0430	Oil	Ocean
395	Oahu	Unknown sheen	20160325-0845	Oil	Ocean
396	Oahu	HECO Waiau Power Plant Auxiliary Cooling Water release	20160325-1144	Liquid	Ocean
397	Oahu	Oil Sheen from run-off	20160325-1440	Oil	Ocean
398	Oahu	Liberty Call aground	20160326-0815	Oil	Ocean
399	Oahu	World Cat aground	20160327-2151	Gasoline	Ocean
400	Oahu	Unknown Sheen	20160328-0730	Oil	Ocean
401	Oahu	Fuel spill at Hawaiian Airlines	20160330-0842		Concrete
402	Oahu	Diesel fuel spill at the Navy Tank Farm	20160331-0223		Soil
403	Oahu	Mysterious oil oozing from trench wall	20160331-1253	Oil	Coral
404	Oahu	USS Columbia Drain Line Spill	20160401-1122		Ocean
405	Oahu	5-gallon diesel release into a storm drain	20160402-1120		Storm Drain
406	Oahu	Black oil discovered during excavation; #7 discovery for the project	20160402-1129	Oil	Coral
407	Oahu	Fuel leak at HECO power plant	20160404-0711		Stream
408	Oahu	HECO pole-mounted transformer #60886 & 62887 release	20160404-1505	Mineral Oil/Transformer Oil	Soil
409	Oahu	Chevron Refinery potential SO2 exceedance	20160406-1009	Sulfur trioxide Spent non-halogenated	Air
410	Oahu	Illegal dumping	20160406-1630	solvents:	Drum/Container
411	Oahu	Sailing Vessel aground	20160407-2017	Oil	Ocean
412	Oahu	Boston whaler aground	20160407-2020	Container	Ocean
413	Oahu	Botulism anti-toxin	20160409-1345		Within Facility
414	Oahu	Unknown Sheen	20160410-1530	Diesel Oil/Marine Gas Oil	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
	<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>
415	Oahu	Applied pesticides entering ocean when it rains	20160411-0940	Liquid	Ocean
416	Oahu	Clean air issue	20160412-1210	Odor	Air
417	Oahu	NOAA vessel Hi'i Ala Kai gasoline spill in Pearl Harbor	20160414-0940	Gasoline	Ocean
418	Oahu	Asphalt tack coat runoff during rain	20160416-1458	Petroleum Hydrocarbon	Storm Drain
419	Oahu	HECO pole-mounted transformer 79708 release	20160418-1103	Mineral Oil/Transformer Oil	Soil
420	Oahu	HECO pad-mounted transformer #72819 release	20160418-1104	Mineral Oil/Transformer Oil	Soil
421	Oahu	HECO pad-mounted transformer #61530 release	20160422-1400	Mineral Oil/Transformer Oil	Soil
422	Oahu	HECO pole-mounted transformer #60747 release	20160422-1402	Mineral Oil/Transformer Oil	Soil
423	Oahu	Grace Pacific Equipment # 06144 Release	20160427-1545	Hydraulic Oil	Asphalt
424	Oahu	Automobile on fire	20160427-1808	Gasoline	Asphalt
425	Oahu	Potential Release - Japanese Marine Debris	20160428-0725		Ocean
426	Oahu	Oil spill from an allision	20160429-0302	Hydraulic Oil	Asphalt
427	Oahu	Grace Pacific 80-gallon diesel fuel spill	20160430-1238	Edible/Vegetable Oil	Within Facility
428	Oahu	Diesel discharged in harbor	20160503-1821		Ocean
429	Oahu	Alaska Airlines fuel spill	20160504-0936	Jet Fuel/Kerosene	Asphalt
430	Oahu	Oily bilge release	20160504-1728	Oily Water Mixture	Ocean
431	Oahu	Chevron Refinery Notification Drill	20160505-0940		Within Facility
432	Oahu	THIS IS A DRILL	20160505-1120		Ocean
433	Oahu	Barge Ne 'ena	20160506-0530	Diesel Oil/Marine Gas Oil	Within Facility
434	Oahu	THIS IS A DRILL	20160506-0946		Ocean
435	Oahu	15' Whaler partially submerged	20160508-1149	Gasoline, Lube Oil/Motor Oil Diesel Oil/Marine Gas Oil,	Ocean
436	Oahu	HART orphan 8" fuel line	20160509-0855	Gasoline	Soil
437	Oahu	White powder in attic of residence	20160509-1515	Arsenic, DDT, Powder	Within Facility
438	Oahu	Punahou Winnie Hall Project	20160511-1019	Oil	Soil
439	Oahu	Bilge water release from broken valve	20160511-1049	Oily Water Mixture	Ocean
440	Oahu	Fugitive Container washed ashore	20160512-0745		Ocean
441	Oahu	Alleged Illicit Activity	20160516-1730	Liquid	Within Facility
442	Oahu	Mysterious sheen Moanalua Stream	20160517-1015	Oil	Stream

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
Island	Unit Name	Case Number	Substances	Media	
443	Oahu	M/V 36' Kamalii fire	20160520-1708	Diesel Oil/Marine Gas Oil	Ocean
444	Oahu	Mysterious sheen within USS Buffalo's boom	20160523-0903		Ocean
445	Oahu	HECO pole-mounted transformer #10101 release	20160523-1128	Mineral Oil/Transformer Oil	Soil
446	Oahu	4-seater airplane water landing	20160523-1228	Aviation Gasoline	Ocean
447	Oahu	Sheen observed from unknown source	20160523-1742	Oil	Ocean
448	Oahu	Question regarding agricultural burn allowed	20160528-0830	Odor	Air
449	Oahu	Costco Iwilei Store #687	20160528-1705	Gas	Air
450	Oahu	M/V Empress K Potential Release	20160528-2028		Ocean
451	Oahu	Aloun Farm Fertilizer fires	20160606-0925		Air
452	Oahu	Contaminated Soil Discovered along HART line.	20160606-1557		Groundwater
453	Oahu	Varsity Contractor waste disposal practice	20160606-1639	Unlisted hazardous wastes characteristic of corrosivity	Storm Drain
454	Oahu	Paint spill	20160607-0730		Concrete
455	Oahu	Black oil discovery while excavating; #8 incident for the project	20160607-1106	Oil	Soil
456	Oahu	Frito-Lay's parking lot oil release	20160608-0923	Oil	Soil
457	Oahu	USS Hawaii release	20160608-1806	Gas, Hydraulic Oil	Ocean
458	Oahu	Leahi Millennium Peace Garden abandoned used needles	20160609-0930	Container	Other
459	Oahu	Aikahi Chevron Pump #8 hose leak	20160609-1350	Gasoline	Concrete
460	Oahu	Heeia Kea Boat Harbor oil release	20160610-1610	Lube Oil/Motor Oil	Asphalt
461	Oahu	Permeating Diesel Odor	20160611-1223	Odor	Air
462	Oahu	Drill Asphalt Release Drill	20160614-0910	Asphalt/Creosote	Ocean
463	Oahu	Kaneohe Bay hydraulic oil release	20160614-1249	Hydraulic Oil	Ocean
464	Oahu	EcoLab Poly-Brite white plastic 55-gallon drum that washed ashore	20160614-1450	Liquid	Ocean
465	Oahu	Tank trailer landing gear collapse	20160616-0940	Gasoline	Gravel
466	Oahu	Abandoned drum on side of road	20160616-1410	Oil	Vegetation
467	Oahu	Leaking propane tank	20160618-0750	Compressed Gas Cylinder, LNG/LPG	Air
468	Oahu	Grounded vessel	20160620-0659	Diesel Oil/Marine Gas Oil	Ocean

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2016

HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2016					
<u>Island</u>	<u>Unit Name</u>	<u>Case Number</u>	<u>Substances</u>	<u>Media</u>	
469	Oahu	Hydraulic spill from drill rig	20160620-0917	Hydraulic Oil	Gravel
470	Oahu	USS Port Royal JP-5 release	20160620-0959	Jet Fuel/Kerosene	Ocean
471	Oahu	Odor in Apartment	20160620-1400		Air
472	Oahu	Container fell from ship	20160621-2019		Concrete
473	Oahu	Unknown sheen and source	20160624-1001	Oil	Ocean
474	Oahu	Sinking vessel at pier	20160625-1022	Oil	Ocean
475	Oahu	Moped in canal	20160625-1024	Oil	Ocean
476	Oahu	Sheen observed off of Waikiki	20160625-1756	Oil	Ocean
477	Oahu	Oil sheen on water Honolulu Harbor piers 17 & 18	20160627-0647	Oil	Ocean
478	Oahu	HART Airport Utility Project	20160627-1159		Soil
479	Oahu	HART 16" abandoned pipeline	20160628-0845	Container	Within Facility
480	Oahu	Oily Runoff from Aloha Gas at Vineyard	20160628-2112	Oily Water Mixture	Storm Drain

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 FY2016, HEER had oversight responsibilities for 938 active sites, and reached No Further Action determinations at 49 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. 538 active sites under direct DOH oversight in the various State programs are listed and include 63 sites that were added during the last fiscal year, due to intensive ongoing identification of new sites through HEER Office site discovery efforts and voluntary investigation actions by owners or developers of previously unidentified properties. 23 state sites with known or suspected contamination received No Further Action Determinations. Of those, 13 sites require ongoing management of residual contamination through Environmental Hazard Management Plans. Note that these sites are not included separately on the Priority Site list below.

The Hawaii State Response Program DSMOA Program List of Priority Sites presents military sites in Hawaii for which SDAR provides oversight. Hazardous substance response actions are managed by various DOD branches under CERCLA authorities, with regulatory oversight from SDAR. Cleanup sites within the Pearl Harbor Naval Complex are co-regulated by US EPA, due to the National Priorities List (“Superfund”) designation. The DOD sites include numerous high priority unexploded ordnance sites (UXO). Investigations and cleanups of military sites with petroleum-contaminated sites are conducted under 128D authorities, as petroleum is not covered under CERCLA. ERRF funds are not currently used for oversight of military cleanups in Hawaii. Staff positions providing oversight for this work are currently funded by federal DSMOA grants. The list includes 400 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities. This year, 17 new sites were added, largely because existing sites were subdivided to close out areas that have been fully investigated and cleaned up. 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 2015, clean up decisions were reached at 26 DSMOA sites, all of which will require ongoing management of residual contamination through Environmental Hazard Management Plans. To date, 391 military sites have been fully investigated and closed.

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).

HSRP LIST OF PRIORITY SITES FY2016

FY2016 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 FY2016 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	7	28	146	1	2	184
	Response	57	133	74	11	7	282
Brownfields	Assessment	0	5	6	0	0	11
	Response	1	4	4	0	0	9
VRP	Assessment	1	1	2	0	0	4
	Response	1	0	1	1	0	3
Site Discovery & PA/SI	Assessment	1	8	25	0	1	35
	Response	1	2	4	0	0	7
NPL	Assessment	0	0	0	0	0	0
	Response	0	2	1	0	0	3
Total		69	183	263	13	10	538
DSMOA	Assessment	13	70	240	5		328
	Response	11	23	17	18		69
	Remedy Selection				3		3
	Complete						
Total		24	93	257	26		400

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HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazards And Controls</u>	<u>Site Status</u>	<u>Cleanup Program</u>
1	French Frigate	Tern Island	Tern Island	High	Response	Hazard Present	Ongoing	State
2	Hawaii	Captain Cook	Kona Queen Hawaii	NFA	Response	No Hazard	NFA	State
3	Hawaii	Hakalau	Mauna Kea Sugar - Hakalau Sugar Plantation	High	Response	Hazard Present	Ongoing	State
4	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Hazard Undetermined	Inactive	State
5	Hawaii	Hakalau	Umauma Stream Bridge	Medium	Assessment	Hazard Undetermined	Ongoing	State
6	Hawaii	Hamakua	Agent Orange Application	Low	Response	Hazard Undetermined	Inactive	State
7	Hawaii	Hamakua	Hakalau Stream Bridge	High	Assessment	Hazard Undetermined	Ongoing	State
8	Hawaii	Hawi	Harbottle Property	Low	Assessment	Hazard Undetermined	Ongoing	State
9	Hawaii	Hawi	Westrum Property	Low	Assessment	Hazard Undetermined	Ongoing	State
10	Hawaii	Hilo	888 Kalaniana'ole Avenue	Low	Assessment	Hazard Undetermined	Ongoing	State
11	Hawaii	Hilo	Big Island Asphalt Co Inc.	Medium	Response	Hazard Present	Ongoing	State
12	Hawaii	Hilo	Equilon Enterprises LLC - Hilo Terminal (Shell Oil Co)	Low	Response	Hazard Present	Ongoing	State
13	Hawaii	Hilo	Kawailani Central Office	Medium	Assessment	Hazard Undetermined	Ongoing	State
14	Hawaii	Hilo	Hatada Bakery (Former)	Low	Response	Hazard Managed With Institutional Controls	Inactive	State
15	Hawaii	Hilo	Hawaii County DWS - Former Steel Water Tank Kawailani Street, Hilo	Medium	Assessment	Hazard Present	Ongoing	State
16	Hawaii	Hilo	Hawaii County Kamehameha Avenue Improvements	Low	Assessment	Hazard Undetermined	Ongoing	State
17	Hawaii	Hilo	Hawaii Pest Control	High	Response	Hazard Present	Ongoing	State
18	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing	State
19	Hawaii	Hilo	Hilo Harbor Interisland Cargo Dock	Low	Assessment	Hazard Undetermined	Ongoing	State
20	Hawaii	Hilo	Hilo Memorial Hospital	Low	Response	Hazard Undetermined	Ongoing	State
21	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
22	Hawaii	Hilo	Hilo Terminal 666 Kalaniana'ole Avenue	Medium	Response	Hazard Present	Ongoing	State
23	Hawaii	Hilo	Wood Protection Company (HPM Building Supply)	Low	Assessment	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
24	Hawaii	Hilo	Highway 19, Mile Marker 28.5	Low	Assessment	Hazard Undetermined	Ongoing	State
25	Hawaii	Hilo	Kanoelehua Industrial Warehouse	Low	Assessment	Hazard Undetermined	Inactive	Brownfields Site
26	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
27	Hawaii	Hilo	Kuawa Street Soccer Fields Development Site	Medium	Response	Hazard Present	Ongoing	State
28	Hawaii	Hilo	Lanakila Homes Phase 3B-4	Medium	Assessment	Hazard Present	Ongoing	State
29	Hawaii	Hilo	Larry's Waiakea Chevron	Low	Response	Hazard Undetermined	Ongoing	State
30	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed Dipping Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
31	Hawaii	Hilo	Mauna Kea Sugar - Hilo Sugar Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
32	Hawaii	Hilo	Arsenic Mililani Street in Hilo	NFA	Assessment	Hazard Managed With Institutional Controls	NFA	State
33	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 595 Kalaniana'ole	Low	Assessment	Hazard Undetermined	Ongoing	State
34	Hawaii	Hilo	Aloha Petroleum Hilo Bulk Plant	Medium	Response	Hazard Present	Ongoing	State
35	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 607 Kalaniana'ole	Low	Assessment	Hazard Present	Ongoing	State
36	Hawaii	Hilo	UST excavated Bishop and Kamehameha	Low	Assessment	Hazard Undetermined	Ongoing	State
37	Hawaii	Hilo	Waiakea Mill Company	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
38	Hawaii	Hilo	Waiakea Mill Company - Camp 1	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
39	Hawaii	Hilo	Waiakea Mill Company - Camp 2	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
40	Hawaii	Hilo	Waiakea Mill Company - Camp 4	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
41	Hawaii	Hilo	Waiakea Mill Company - Camp 6	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
42	Hawaii	Hilo	Waiakea Mill Company - Waiakea Uka Park	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
43	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond	High	Response	Hazard Present	Ongoing	State
44	Hawaii	Hilo	Wailoa River State Recreation Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
45	Hawaii	Honokaa	Hamakua Sugar Company Inc. - Kawela Pesticide Mixing Area	Low	Response	Hazard Present	Ongoing	Site Discovery
46	Hawaii	Honokaa	Hamakua Sugar Company, Inc. - Honokaa Haina Mill Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	PA/SI
47	Hawaii	Honokaa	Honokaa Sugar Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
48	Hawaii	Kailua	Kealakehe Transfer Station	Medium	Assessment	Hazard Present	Ongoing	State
49	Hawaii	Kailua-Kona	Cellana Kona Demonstration Facility	Low	Assessment	Hazard Present	Ongoing	State
50	Hawaii	Kailua-Kona	Hawaii Petroleum- Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing	State
51	Hawaii	Kailua-Kona	Honokohau Industrial Park-Lower Boat Park Soil Contamination	Low	Response	Hazard Undetermined	Ongoing	State
52	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive	State
53	Hawaii	Kamuela	Mid Pac Petroleum	Low	Assessment	Hazard Undetermined	Ongoing	State
54	Hawaii	Kamuela	Waimea Quarry	Low	Assessment	Hazard Undetermined	Ongoing	State
55	Hawaii	Kapaau	Niulii Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
56	Hawaii	Kawaihae	Akana Petroleum, Inc.-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing	State
57	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Assessment	Hazard Undetermined	Ongoing	State
58	Hawaii	Keaau	Keaau Pahoia Road 118 Acre Parcel	High	Response	Hazard Present	Inactive	State
59	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
60	Hawaii	Keaau	Keaau Middle School	High	Assessment	Hazard Managed With Institutional Controls	Inactive	State
61	Hawaii	Keaau	Keaau Triangle Lot	High	Response	Hazard Present	Inactive	State
62	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	PA/SI

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
63	Hawaii	Keaau	Ulupono Street Lots 10 and 11 Keaau Hawaii	Medium	Response	Hazard Present	Ongoing	Site Discovery
64	Hawaii	Kealakekua	Kealakekua Heritage Ranch	Low	Response	Hazard Present	Ongoing	State
65	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Hazard Undetermined	Inactive	State
66	Hawaii	Kohala	Kohala Sugar Company	NFA	Response	No Hazard	NFA	State
67	Hawaii	Laupahoehoe	35-2078 Hulaana Place	Low	Assessment	Hazard Undetermined	Ongoing	State
68	Hawaii	Laupahoehoe	Hamakua Sugar Company, Inc. - Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Present	Ongoing	Site Discovery
69	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
70	Hawaii	Naalehu	Hutchinson Sugar Plantation Company - Seed Dipping Vat	Medium	Assessment	Hazard Present	Ongoing	Site Discovery
71	Hawaii	Naalehu	Kaalaiki Industrial Lot D	High	Response	Hazard Present	Ongoing	Fast Track
72	Hawaii	Naalehu	Kaalaiki Industrial Lots B-D	High	Response	Hazard Present	Ongoing	Fast Track
73	Hawaii	Naalehu	Hawaii Petroleum Distributors, Inc. 200 Gallon Fuel Spill	Low	Assessment	Hazard Present	Inactive	State
74	Hawaii	Ninole	Former Minoru Kamahara Chevron	Low	Response	Hazard Present	Ongoing	State
75	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive	Brownfields
76	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing	Site Discovery
77	Hawaii	Paauilo	Hamakua Sugar Company - Ookala Mill Pesticide Storage Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
78	Hawaii	Paauilo	Hamakua Sugar Company, Inc. - Paauilo Seed Dipping Plant	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Site Discovery
79	Hawaii	Paauilo	Hamakua Sugar Company, Inc. - Paauilo Sugar Mill Pesticide Mixing Area	High	Assessment	Hazard Present	Ongoing	PA/SI
80	Hawaii	Paauilo	Hamakua Sugar Company, Inc. - Asbestos Disposal Site	Low	Assessment	Hazard Present	Ongoing	State
81	Hawaii	Paauilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive	State
82	Hawaii	Pahala	ML Macadamia Orchards, LP (Kau Div)	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
83	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing	State
84	Hawaii	Papaikou	27-0330 Mamalahoa Highway Collision	Low	Response	Hazard Undetermined	Ongoing	State
85	Hawaii	Papaikou	Mauna Kea Sugar - Onomea Sugar Papaikou Mill Pesticide Mixing Area	High	Response	Hazard Present	Ongoing	Site Discovery
86	Hawaii	Pepeekeo	Black Oil and Drum Sites	Low	Response	Hazard Present	Ongoing	State
87	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Assessment	Hazard Managed With Institutional Controls	Ongoing	State
88	Hawaii	Pepeekeo	Hawaiian Rainbows Sump	Low	Assessment	Hazard Undetermined	Ongoing	State
89	Hawaii	Pepeekeo	Hu Honua Bioenergy Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
90	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing	State
91	Hawaii	Pepeekeo	Mauna Kea Sugar - Pepeekeo Mill Herbicide Mixing Area	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
92	Hawaii	South Kona	Kamehameha Schools Estoy Property	Medium	Response	Hazard Present	Ongoing	State
93	Hawaii	Waiakea	Waiakea Upland Arsenic Site	High	Assessment	Hazard Present	Inactive	State
94	Hawaii	Waipunalei	Hamakua Sugar Company, Inc - Waipunalei	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Site Discovery
95	Kauai	Barking Sands	Grace Pacific Corporation - Barking Sands HMA Plant	Low	Assessment	Hazard Undetermined	Ongoing	State
96	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Hazard Present	Ongoing	State
97	Kauai	Eleele	McBryde Sugar Numila Pesticide Mixing Area	Medium	Assessment	Hazard Present	Ongoing	State
98	Kauai	Eleele	Port Allen Terminal	Low	Assessment	Hazard Undetermined	Ongoing	State
99	Kauai	Hanamaulu	Lihue Plantation Co, Ltd - Lihue Herbicide Mixing Plant	Medium	Response	Hazard Undetermined	Ongoing	State
100	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing	State
101	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard Undetermined	Ongoing	State
102	Kauai	Kapaa	Coconut Marketplace	Low	Assessment	Hazard Undetermined	Ongoing	State
103	Kauai	Kapaa	Leonard's, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
104	Kauai	Kapaa	Hawaiian Fruit Packers Poison Mixing Site	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
105	Kauai	Kapaa	Wailua Homestead Wells 0421-01& 02	Low	Response	Hazard Present	Inactive	State
106	Kauai	Kekaha	7723 Iwipolena Road	Medium	Response	Hazard Undetermined	Ongoing	State
107	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Hazard Undetermined	Inactive	HIANG Site
108	Kauai	Kekaha	Kekaha Diesel Generator	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
109	Kauai	Kekaha	Kekaha Dump Area	Medium	Response	Hazard Present	Ongoing	State
110	Kauai	Kekaha	Kekaha Sugar Co, Ltd	Medium	Response	Hazard Present	Ongoing	State
111	Kauai	Kekaha	Kekaha Sugar Co, Ltd - Kekaha Wood Treatment Plant	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
112	Kauai	Kilauea	Hale Hoolulu-Kilauea	Low	Response	Hazard Present	Ongoing	State
113	Kauai	Kilauea	Kilauea Sugar Company Pesticide Mixing and Storage Area	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
114	Kauai	Lihue	Former Ahukini Dump	Low	Assessment	Hazard Present	Ongoing	State
115	Kauai	Lihue	Kauai High School	High	Response	Hazard Managed With Engineering Controls	NFA	State
116	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing	State
117	Kauai	Lihue	Lihue Plantation Co, Ltd	Medium	Response	Hazard Present	Ongoing	Brownfields
118	Kauai	Lihue	Lihue Plantation Co, Ltd - Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing	Brownfields
119	Kauai	Lihue	Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Undetermined	Ongoing	State
120	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
121	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	State
122	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Hazard Undetermined	Inactive	State
123	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Response	Hazard Present	Ongoing	State
124	Kauai	Port Allen	Port Allen Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
125	Kauai	Port Allen	Port Allen Shed Renovation	Low	Assessment	Hazard Undetermined	Ongoing	State
126	Kauai	Princeville	Princeville Water System PCB contamination	High	Assessment	Hazard Undetermined	Ongoing	State
127	Kauai	Puhi	Grove Farm Company at Puhi	Medium	Assessment	Hazard Present	Ongoing	State
128	Kauai	Wailua	Coco Palms Sewage Pump Station	Low	Assessment	Hazard Undetermined	Inactive	State
129	Kauai	Waimea	Meadow Gold Dairies, Inc.- Waimea	Low	Response	Hazard Present	Inactive	State
130	Kauai	Waimea	Navy MFH PMRF Barking Sands	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
131	Kure Atoll	Kure Atoll	Kure Atoll, U.S. Coast Guard	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
132	Lanai	Lanai City	Former Emulsion Plant - Fraser Development Site	Medium	Response	Hazard Present	Ongoing	State
133	Maui		Nahiku Rubber Company	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
134	Maui	Hana	Kaeleku Plantation Company Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
135	Maui	Kahului	A&B Central Power Plant Pipelines	Medium	Assessment	Hazard Present	Ongoing	State
136	Maui	Kahului	Kahului Terminal	Low	Response	Hazard Present	Ongoing	State
137	Maui	Kahului	Fong Construction	Low	Assessment	Hazard Undetermined	Inactive	State
138	Maui	Kahului	Hobron Ave Area (Kahului)	Low	Response	Hazard Present	Ongoing	State
139	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street	Low	Assessment	Hazard Undetermined	Ongoing	State
140	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street Lot 2 Cannery Building Portion	Low	Assessment	Hazard Undetermined	Ongoing	State
141	Maui	Kahului	A&B Properties, Inc., Suspected Former Agricultural Deep Soil Dump	Low	Assessment	Hazard Present	Ongoing	State
142	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Inactive	State
143	Maui	Kahului	Kahului Harbor Pier 1	Low	Assessment	Hazard Present	Ongoing	State
144	Maui	Kahului	Pacific Machinery Inc Maui	NFA	Assessment	No Hazard	NFA	State
145	Maui	Kahului	Sears Auto Center	Low	Assessment	Hazard Undetermined	Inactive	State
146	Maui	Kahului	Kahului Fuel Distribution Terminal	Low	Response	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
147	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing	State
148	Maui	Kihei	A&B Properties Former Agricultural Land Kihei Maui	Low	Assessment	Hazard Undetermined	Ongoing	State
149	Maui	Kihei	Kamalani Borrow Sites	Low	Assessment	Hazard Undetermined	Ongoing	State
150	Maui	Kihei	Maui Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
151	Maui	Kihei	Selland Construction Inc., Kihei Base Yard	Low	Response	No Hazard	NFA	State
152	Maui	Lahaina	Kapalua Resort Company	Low	Assessment	Hazard Undetermined	Ongoing	State
153	Maui	Lahaina	Lahaina Cannery Mall Phase II Assessment	Low	Response	Hazard Undetermined	Ongoing	State
154	Maui	Lahaina	MECO Submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Inactive	State
155	Maui	Lahaina	Olowalu Company Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
156	Maui	Lahaina	Oppenheimer - Kai Mauka Iki Apartments	Low	Assessment	Hazard Undetermined	Ongoing	State
157	Maui	Lahaina	Kahoma Village	NFA	Assessment	No Hazard	NFA	State
158	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Present	Ongoing	PA/SI
159	Maui	Pukalani	Maui Pineapple Co Ltd, Corn Mill Camp	High	Assessment	Hazard Present	Ongoing	State
160	Maui	Puunene	Old Puunene Airport Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
161	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
162	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing	State
163	Maui	Wailuku	Waihee Elementary School	Low	Assessment	Hazard Undetermined	Ongoing	State
164	Maui	Wailuku	Wailuku Sugar Agricultural Department Pesticide Mixing	Medium	Assessment	Hazard Managed With Institutional Controls	Ongoing	Site Discovery
165	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing	State
166	Molokai	Ilio Point	Long Range Navigation Station Ilio Point	Medium	Response	No Hazard	Ongoing	State
167	Molokai	Kalaupapa	Kalaupapa Settlement - Historical Burn Area	Low	Response	Hazard Present	Ongoing	Site Discovery
168	Molokai	Kaunakakai	DLNR Water Line Installation	Medium	Assessment	Hazard Undetermined	Ongoing	State
169	Molokai	Kaunakakai	Galiher-Ono Property	Medium	Response	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
170	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive	State
171	Molokai	Kaunakakai	Petroleum Discovery by Kaunakakai Pier	Low	Assessment	Hazard Undetermined	Ongoing	State
172	Molokai	Kaunakakai	Island Petroleum, Inc. (Kaunakakai Terminal)	Low	Response	Hazard Present	Ongoing	State
173	Molokai	Kaunakakai	Kaunakakai Drainage System B	Medium	Assessment	Hazard Undetermined	Ongoing	State
174	Molokai	Kaunakakai	Molokai Community Service Center	Low	Assessment	Hazard Undetermined	Ongoing	State
175	Molokai	Kaunakakai	Molokai Electric Company (MOECO) Power Plant Site	Medium	Response	Hazard Present	Ongoing	State
176	Molokai	Maunaloa	Molokai Ranch Pineapple Pesticide and Maintenance Operations	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
177	Oahu		Army MFH Army Hawaii Family Housing ADMIN FILE	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
178	Oahu		Goodwill Beretania Street	Low	Assessment	Hazard Undetermined	Ongoing	State
179	Oahu		Navy MFH Ohana Military Communities ADMIN FILE	Medium	Response	Hazard Present	Ongoing	State
180	Oahu	Aiea	Aiea Fire Station	Medium	Response	Hazard Undetermined	Ongoing	State
181	Oahu	Aiea	Aiea Sugar Mill Lot 15	Low	Response	Hazard Managed With Engineering Controls	Ongoing	VRP
182	Oahu	Aiea	Grace Pacific Corporation - Halawa Valley Street	Low	Response	Hazard Present	Ongoing	State
183	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive	State
184	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive	State
185	Oahu	Aiea	Navy MFH Halawa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
186	Oahu	Aiea	Navy MFH McGrew Point	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
187	Oahu	Aiea	Sears Pearlridge #1578 Elevator Jack	Low	Response	Hazard Managed With Engineering Controls	Inactive	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
188	Oahu	Aiea	Sears Pearlridge #1578 Hydraulic Hoist	Low	Response	Hazard Present	Ongoing	State
189	Oahu	Barbers Point	Barbers Point Harbor Expansion	Low	Response	Hazard Undetermined	Ongoing	State
190	Oahu	Barbers Point	Barbers Point Harbor Pier 7 and Storage Yard S-6	Low	Assessment	Hazard Undetermined	Inactive	State
191	Oahu	Barbers Point	Barbers Point Harbor Pier 5	Low	Assessment	Hazard Undetermined	Inactive	State
192	Oahu	Barbers Point	Aloha Petroleum, Barbers Pt Sales Terminal (Formerly Texaco/Equilon)	Low	Response	Hazard Present	Ongoing	State
193	Oahu	Barbers Point NAS	Barbers Point NAS 26 Non-BRAC Property Parcels (Part 1: 18 of 26)	Low	Assessment	Hazard Undetermined	Ongoing	State
194	Oahu	Camp HM Smith	Marines MFH Camp Smith	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
195	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Ongoing	Brownfields
196	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
197	Oahu	Ewa Beach	East Kapolei Pesticide Mixing/Loading Site	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
198	Oahu	Ewa Beach	BHP Gas Express Station 43 Ewa Repair Shop	Low	Assessment	Hazard Undetermined	Ongoing	State
199	Oahu	Ewa Beach	Iroquois Point Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
200	Oahu	Ewa Beach	Palilailai Landfill	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
201	Oahu	Fort Shafter	Army MFH FS Funston Village	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
202	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
203	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
204	Oahu	Fort Shafter	Army MFH FS Palm Circle	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
205	Oahu	Fort Shafter	Army MFH FS Radar Hill	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
206	Oahu	Fort Shafter	Army MFH FS Rice Manor	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
207	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
208	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
209	Oahu	Haleiwa	Haleiwa Service #0913 (Three Corner Service)	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
210	Oahu	Haleiwa	Haleiwa Chevron Service Station	Medium	Response	Hazard Undetermined	Ongoing	State
211	Oahu	Haleiwa	Haleiwa Commercial Redevelopment	Low	Assessment	Hazard Undetermined	Ongoing	State
212	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Present	Ongoing	State
213	Oahu	Helemano MR	Army MFH HMR Kalapana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
214	Oahu	Helemano MR	Army MFH HMR Kekona	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
215	Oahu	Helemano MR	Army MFH HMR Kuapale	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
216	Oahu	Hickam AFB	Air Force MFH HAFB CGO-FGO Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
217	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
218	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
219	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
220	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
221	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-4	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
222	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
223	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
224	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
225	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
226	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
227	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
<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>	
228	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
229	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
230	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
231	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
232	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
233	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
234	Oahu	Hickam AFB	Air Force MFH HAFB GO-SO Historic Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
235	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Minor Renovations	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
236	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
237	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
238	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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239	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
240	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
241	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
242	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
243	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
244	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
245	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
246	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
247	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
248	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-2	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
249	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-3	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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250	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
251	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
252	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
253	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
254	Oahu	Hickam AFB	Hickam AFB HIANG F22 Parking Apron	Low	Response	Hazard Present	Ongoing	State
255	Oahu	Hilo	Hilo Radio Range	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
256	Oahu	Hilo	Yamada and Sons Quarry	NFA	Response	No Hazard	NFA	State
257	Oahu	Honolulu	1003 and 1013 Kaheka Street	Low	Assessment	Hazard Undetermined	Ongoing	State
258	Oahu	Honolulu	1385 Colburn Street	Low	Assessment	Hazard Undetermined	Ongoing	State
259	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
260	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
261	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Hazard Undetermined	Ongoing	State
262	Oahu	Honolulu	2051-2057 Kalakaua Avenue	Low	Assessment	Hazard Undetermined	Ongoing	State
263	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing	State
264	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing	State
265	Oahu	Honolulu	2250 Pahounui Drive	Medium	Assessment	Hazard Present	Ongoing	State
266	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing	State
267	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
268	Oahu	Honolulu	580 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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269	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Present	Ongoing	State
270	Oahu	Honolulu	604 Ala Moana Boulevard	Low	Assessment	Hazard Undetermined	Ongoing	State
271	Oahu	Honolulu	700 N Nimitz IDPP Release	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
272	Oahu	Honolulu	755 N Nimitz Hwy	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
273	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
274	Oahu	Honolulu	801 South Hotel Street	Medium	Assessment	Hazard Undetermined	Ongoing	State
275	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Hazard Undetermined	Ongoing	State
276	Oahu	Honolulu	Al Phillips Facility	Medium	Assessment	Hazard Undetermined	Ongoing	State
277	Oahu	Honolulu	Ala Moana WWPS Force Main #3 and #4	Medium	Response	Hazard Present	Ongoing	State
278	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
279	Oahu	Honolulu	Shell Service Station (Marshall's Shell Service)	Medium	Response	Hazard Managed With Institutional Controls	NFA	Fast Track
280	Oahu	Honolulu	Aloha Petroleum Terminal	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
281	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Hazard Present	Ongoing	State
282	Oahu	Honolulu	Ameron Hawaii Sand Island Facility	Medium	Response	Hazard Undetermined	Ongoing	State
283	Oahu	Honolulu	Army MFH AMR Bougainville	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
284	Oahu	Honolulu	Army MFH AMR Hibiscus	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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285	Oahu	Honolulu	Army MFH AMR Makai View	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
286	Oahu	Honolulu	Army MFH AMR Plumeria	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
287	Oahu	Honolulu	Army MFH AMR Rim Loop	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
288	Oahu	Honolulu	Army MFH AMR Skyview	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
289	Oahu	Honolulu	Army MFH AMR Valley View	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
290	Oahu	Honolulu	ARTSPACE	Low	Assessment	Hazard Undetermined	Ongoing	State
291	Oahu	Honolulu	ASIG Sand Island	Low	Assessment	Hazard Undetermined	Ongoing	State
292	Oahu	Honolulu	Awa Wastewater Pump Station	Low	Assessment	Hazard Undetermined	Ongoing	State
293	Oahu	Honolulu	BHP Gasco Benzene Site	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
294	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	High	Assessment	Hazard Present	Ongoing	VRP
295	Oahu	Honolulu	Chevron Honolulu Terminal Marine	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
296	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
297	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing	State
298	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing	State
299	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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300	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
301	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Assessment	Hazard Undetermined	Ongoing	State
302	Oahu	Honolulu	Citizens Energy Services Pier 38	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
303	Oahu	Honolulu	Classic Bowl	Medium	Assessment	Hazard Present	Ongoing	State
304	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
305	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
306	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed With Institutional Controls	Inactive	State
307	Oahu	Honolulu	Dole Iwilei	High	Assessment	Hazard Managed With Institutional Controls	Ongoing	State
308	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
309	Oahu	Honolulu	Equilon Enterprises LLC Honolulu Terminal	Medium	Response	Hazard Present	Ongoing	State
310	Oahu	Honolulu	ARCO AM/PM #82102 (Texaco 61-100- 0043)	Low	Response	Hazard Present	Ongoing	State
311	Oahu	Honolulu	Former Kapalama Military Reservation Piers 39 and 40 Pipelines	Low	Assessment	Hazard Undetermined	Ongoing	State
312	Oahu	Honolulu	Former Lee's Garage	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
313	Oahu	Honolulu	Hawaii Grain Corporation	Low	Assessment	Hazard Undetermined	Ongoing	State
314	Oahu	Honolulu	Hale Pua Nui UST Removal	Low	Response	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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315	Oahu	Honolulu	Hawaii Fueling Facilities Corporation- Airport	Low	Assessment	Hazard Present	Ongoing	State
316	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Inactive	State
317	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release	Low	Response	Hazard Present	Ongoing	State
318	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing	State
319	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc.	Medium	Response	Hazard Managed With Engineering Controls	Inactive	State
320	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
321	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing	State
322	Oahu	Honolulu	Hawaii Transfer Company, Ltd Pier 36	Low	Response	Hazard Present	Ongoing	State
323	Oahu	Honolulu	Hawaiian Electric Company (HECO) - Iwilei Tank Yard	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
324	Oahu	Honolulu	Hawaiian Electric Company (HECO)- Honolulu Generating Station	Low	Assessment	Hazard Present	Inactive	State Response Program
325	Oahu	Honolulu	Hawaiian Flour Mill	Low	Response	Hazard Present	Ongoing	State
326	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Present	Ongoing	State
327	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive	State
328	Oahu	Honolulu	Hawaii Kai Marina	Low	Assessment	Hazard Undetermined	Ongoing	State
329	Oahu	Honolulu	HECO Fuel Oil Pipeline Route State Energy Corridor	Low	Assessment	Hazard Undetermined	Ongoing	State
330	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
331	Oahu	Honolulu	Honolulu Airport Interim Car Rental Facility	Low	Response	Hazard Managed With Institutional Controls	Inactive	Site Discovery
332	Oahu	Honolulu	Honolulu Harbor Iwilei District Operating Parties	Medium	Assessment	Hazard Present	Inactive	State

HSRP LIST OF PRIORITY SITES FY2016

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333	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1A	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
334	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1B	Low	Assessment	Hazard Undetermined	Ongoing	State
335	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU1C	Low	Assessment	Hazard Undetermined	Ongoing	State
336	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU2	Low	Assessment	Hazard Undetermined	Ongoing	State
337	Oahu	Honolulu	Honolulu Harbor Iwilei Unit OU3	Low	Assessment	Hazard Undetermined	Ongoing	State
338	Oahu	Honolulu	Honolulu Harbor Kapalama Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
339	Oahu	Honolulu	Honolulu Harbor Sand Island Unit	Low	Assessment	Hazard Undetermined	Ongoing	State
340	Oahu	Honolulu	Honolulu International Airport	Medium	Assessment	Hazard Undetermined	Inactive	State
341	Oahu	Honolulu	Honolulu International Airport Project AO1121-24 PH 1-A	Low	Assessment	Hazard Undetermined	Ongoing	State
342	Oahu	Honolulu	Honolulu Marine Sand Island	Low	Assessment	Hazard Undetermined	Ongoing	State
343	Oahu	Honolulu	Honolulu Marine Small Boat Shipyard at Keehi Lagoon	Low	Assessment	Hazard Undetermined	Ongoing	State
344	Oahu	Honolulu	Honolulu Seawater Air Conditioning Project	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
345	Oahu	Honolulu	Honolulu Shipyard, Inc	Low	Response	Hazard Undetermined	Inactive	State
346	Oahu	Honolulu	Interisland Maintenance Facility Site Elliot Street	Low	Response	Hazard Undetermined	Ongoing	State
347	Oahu	Honolulu	Interstate H-I Rehabilitation	Low	Assessment	Hazard Undetermined	Ongoing	State
348	Oahu	Honolulu	Island Movers, Inc.	Low	Assessment	Hazard Undetermined	Inactive	State
349	Oahu	Honolulu	Iwilei Fruits and Produce	Low	Response	Hazard Undetermined	Ongoing	State
350	Oahu	Honolulu	Iwilei Project Site (Iwilei Brownfields)	Low	Response	Hazard Present	Ongoing	State
351	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Low	Assessment	Hazard Present	Ongoing	State
352	Oahu	Honolulu	Kahala Hotel and Resort diesel release	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
353	Oahu	Honolulu	Kakaako Brownfield Project - Unit 1	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site

HSRP LIST OF PRIORITY SITES FY2016

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354	Oahu	Honolulu	Kakaako Brownfield Project - Unit 10	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
355	Oahu	Honolulu	Kakaako Brownfield Project - Unit 2	Low	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
356	Oahu	Honolulu	Kakaako Brownfield Project - Unit 3	Low	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
357	Oahu	Honolulu	Kakaako Brownfield Project - Unit 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
358	Oahu	Honolulu	Kakaako Brownfield Project - Unit 5	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
359	Oahu	Honolulu	Kakaako Brownfield Project - Unit 6	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
360	Oahu	Honolulu	Kakaako Brownfield Project - Unit 7	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
361	Oahu	Honolulu	Kakaako Brownfield Project - Unit 8	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
362	Oahu	Honolulu	Kakaako Brownfield Project - Unit 9	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
363	Oahu	Honolulu	Kakaako Maintenance Shed	Low	Assessment	Hazard Undetermined	Ongoing	State
364	Oahu	Honolulu	Kakaako Brownfield Project	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
365	Oahu	Honolulu	Kakaako Makai District John Dominis	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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366	Oahu	Honolulu	Kakaako Makai District Parking Garage- Unit 1and 3	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
367	Oahu	Honolulu	Kakaako Makai District Units 2 and 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
368	Oahu	Honolulu	Kakaako Makai District Units 6 and 7	High	Response	Hazard Present	Ongoing	Brownfields
369	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing	State
370	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing	State
371	Oahu	Honolulu	Kapalama Container Yard PCB Release	Medium	Response	No Hazard	Ongoing	State
372	Oahu	Honolulu	Kapalama Container Yard Project	Low	Response	Hazard Present	Ongoing	State
373	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
374	Oahu	Honolulu	Kookaa Kalihi Valley Active Living Center	Low	Response	Hazard Undetermined	Inactive	Brownfields
375	Oahu	Honolulu	Kuakini Medical Center	Low	Response	Hazard Undetermined	Ongoing	State
376	Oahu	Honolulu	Kuhio Park Terrace Units D1 and D2	Medium	Response	Hazard Present	Ongoing	Brownfields
377	Oahu	Honolulu	Lockheed Air Terminal, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
378	Oahu	Honolulu	Lowe's Iwilei	Low	Assessment	Hazard Undetermined	Ongoing	VRP
379	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd	Low	Assessment	Hazard Undetermined	Inactive	State
380	Oahu	Honolulu	McKinley High School Synthetic Track and Field	Low	Response	Hazard Undetermined	Ongoing	State
381	Oahu	Honolulu	Miramar Hotel International Market Place Redevelopment	High	Response	Hazard Present	Ongoing	Fast Track
382	Oahu	Honolulu	Miyazaki Honolulu Airport Service Station (Airways Service Station Inc)	Low	Assessment	Hazard Undetermined	Inactive	State
383	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing	State
384	Oahu	Honolulu	Navy MFH Camp Stover	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

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385	Oahu	Honolulu	Navy MFH Catlin Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
386	Oahu	Honolulu	Navy MFH Doris Miller Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
387	Oahu	Honolulu	Navy MFH Hale Alii	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
388	Oahu	Honolulu	Navy MFH Hale Moku	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
389	Oahu	Honolulu	Navy MFH Halsey Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
390	Oahu	Honolulu	Navy MFH Hokulani	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
391	Oahu	Honolulu	Navy MFH Hospital Point	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
392	Oahu	Honolulu	Navy MFH Little Makalapa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
393	Oahu	Honolulu	Navy MFH Makalapa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
394	Oahu	Honolulu	Navy MFH Maloelap	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
395	Oahu	Honolulu	Navy MFH Marine Barracks	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
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396	Oahu	Honolulu	Navy MFH Moanalua Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
397	Oahu	Honolulu	Navy MFH Radford Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
398	Oahu	Honolulu	Navy MFH Red Hill Terrace	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
399	Oahu	Honolulu	Hart Street WWPS	Low	Response	Hazard Present	Ongoing	State
400	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing	State
401	Oahu	Honolulu	Nuuanu Auto Company LTD	Low	Assessment	Hazard Undetermined	Ongoing	State
402	Oahu	Honolulu	The Honolulu Advertiser (Hawaii Newspaper Agency) Parcel 004	Low	Assessment	Hazard Undetermined	Ongoing	State
403	Oahu	Honolulu	Parking Lot C and J Transformer Replacement	Low	Response	Hazard Undetermined	Ongoing	State
404	Oahu	Honolulu	Pier 12 and Pier 15 Improvements	Medium	Assessment	Hazard Undetermined	Ongoing	State
405	Oahu	Honolulu	Pier 19 Honolulu Harbor	Medium	Assessment	Hazard Undetermined	Inactive	State
406	Oahu	Honolulu	PHT, Inc. dba Polynesian Hospitality	Low	Response	Hazard Undetermined	Inactive	State
407	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Hazard Present	Ongoing	State
408	Oahu	Honolulu	Punahou School Grades 2-5 Phase 1A	Medium	Assessment	Hazard Undetermined	Ongoing	State
409	Oahu	Honolulu	Punahou School Winne Units C and D	Low	Assessment	Hazard Undetermined	Ongoing	State
410	Oahu	Honolulu	Ritz Carlton Waikiki Residence & Resort	Medium	Response	Hazard Present	Ongoing	State
411	Oahu	Honolulu	Sand Island Access Road Areawide Petroleum Release	Low	Assessment	Hazard Undetermined	Ongoing	State
412	Oahu	Honolulu	Sand Island Housing First Project	Low	Assessment	No Hazard	NFA	Site Discovery
413	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing	State
414	Oahu	Honolulu	Servco Pacific, Inc- Kalihi	Low	Assessment	Hazard Undetermined	Inactive	State
415	Oahu	Honolulu	Shidler College of Business Site Improvements	Low	Assessment	Hazard Undetermined	Inactive	State
416	Oahu	Honolulu	Keeaumoku Superblock Project	Low	Assessment	Hazard Undetermined	Inactive	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
417	Oahu	Honolulu	Tesoro Hawaii Corporation, Terminal Department-Sand Island	Medium	Response	Hazard Present	Ongoing	State
418	Oahu	Honolulu	Tosco Honolulu Bulk Distribution Terminal	NFA	Response	Hazard Managed With Engineering Controls	NFA	VRP
419	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Inactive	State
420	Oahu	Honolulu	University of Hawaii Interchange	Low	Assessment	Hazard Undetermined	Ongoing	State
421	Oahu	Honolulu	University of Hawaii Marine Center Relocation Area Piers 34 and 35	Low	Assessment	Hazard Undetermined	Ongoing	State
422	Oahu	Honolulu	USPS Vehicle Maintenance Facility	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
423	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive	State
424	Oahu	Honolulu	Walgreens Keeaumoku	High	Response	No Hazard	NFA	Fast Track
425	Oahu	Honolulu	Wallys Garden Center	Low	Assessment	Hazard Present	Inactive	State
426	Oahu	Honolulu	Ward Center Parking Lot	Low	Assessment	Hazard Undetermined	Ongoing	State
427	Oahu	Honolulu	Weyerhaeuser	Low	Response	Hazard Present	Inactive	State
428	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Hazard Present	Ongoing	State
429	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Hazard Undetermined	Ongoing	State
430	Oahu	Honolulu	Young Brothers, Ltd Piers 24-28	Medium	Response	Hazard Present	Ongoing	State
431	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Assessment	Hazard Undetermined	Inactive	State
432	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
433	Oahu	Kahuku	Kahuku Arsenic Property	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
434	Oahu	Kahuku	Turtle Bay Conservation Easement	Low	Assessment	Hazard Undetermined	Ongoing	State
435	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing	State
436	Oahu	Kailua	Countryside Apartments	High	Response	Hazard Present	Ongoing	Fast Track
437	Oahu	Kailua	Hawaii Youth Correctional Facility	Low	Assessment	Hazard Present	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
438	Oahu	Kailua	Honolulu Skeet Club	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
439	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road	Medium	Response	Hazard Undetermined	Ongoing	State
440	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
441	Oahu	Kakaako	Inovation Block at Lot C	Low	Assessment	Hazard Undetermined	Ongoing	State
442	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Hazard Managed With Engineering Controls	Inactive	State
443	Oahu	Kaneohe	Koolau Chevron	Low	Response	Hazard Undetermined	Ongoing	State
444	Oahu	Kaneohe MCBH	Marines MFH MCBH Hana Like	Low	Assessment	Hazard Undetermined	Ongoing	State
445	Oahu	Kaneohe MCBH	Marines MFH MCBH Hawaii Loa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
446	Oahu	Kaneohe MCBH	Marines MFH MCBH Heleloa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
447	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaluapuni	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
448	Oahu	Kaneohe MCBH	Marines MFH MCBH Kaneohe ADMIN FILE	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
449	Oahu	Kaneohe MCBH	Marines MFH MCBH Kapoho	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
450	Oahu	Kaneohe MCBH	Marines MFH MCBH Mololani	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
451	Oahu	Kaneohe MCBH	Marines MFH MCBH Nani Ulupau	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
452	Oahu	Kaneohe MCBH	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
453	Oahu	Kaneohe MCBH	Marines MFH MCBH Ulupau	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
454	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Manning	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
455	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Mokapu Court	Low	Assessment	Hazard Undetermined	Ongoing	State
456	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu NCO Row	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
457	Oahu	Kaneohe MCBH	Marines MFH MCBH Waikulu Rainbow	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
458	Oahu	Kapolei	Barge Harbor Soil Contamination	Medium	Assessment	Hazard Undetermined	Inactive	State
459	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery Tank Sludge	Medium	Assessment	Hazard Undetermined	Inactive	State
460	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive	State
461	Oahu	Kapolei	CoVan Warehouse	Low	Response	Hazard Present	Inactive	State
462	Oahu	Kapolei	D.R. Horton	Low	Assessment	Hazard Undetermined	Ongoing	State
463	Oahu	Kapolei	Diesel Fuel Leak at Barbers Point Harbor	Low	Assessment	Hazard Undetermined	Ongoing	State
464	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Inactive	Brownfields
465	Oahu	Kapolei	Former Alliance Trucking Facility	NFA	Response	Hazard Managed With Institutional Controls	NFA	Fast Track
466	Oahu	Kapolei	Grace Pacific Corporation - Grace Pacific Precast, Inc.	Low	Assessment	Hazard Undetermined	Ongoing	State
467	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive	State
468	Oahu	Kapolei	Tileco, Inc	Medium	Response	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
469	Oahu	Kapolei	Con-Fab Hawaii Corporation	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
470	Oahu	Kapolei	Hawaii Army National Guard at Kalaeloa Airport abandon pipeline incident	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
471	Oahu	Kapolei	HECO Generating Station: Kahe	Low	Assessment	Hazard Undetermined	Ongoing	State
472	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive	State
473	Oahu	Kapolei	Malakole Street Trash Site	Low	Response	Hazard Undetermined	Ongoing	State
474	Oahu	Kapolei	Single Buoy Mooring	Low	Assessment	Hazard Undetermined	Ongoing	State
475	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Ongoing	State
476	Oahu	Kunia	Del Monte Corporation Oahu Plantation	Low	Response	Hazard Managed With Engineering Controls	Ongoing	NPL
477	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present	Ongoing	State
478	Oahu	Kunia	Kunia Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
479	Oahu	Kunia	Kunia Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
480	Oahu	Mali	84-Acre Portion of the Former Voice of America Site	Low	Response	Hazard Undetermined	Ongoing	State
481	Oahu	Mali	Ka Pua Learning Center	Low	Assessment	Hazard Undetermined	Ongoing	State
482	Oahu	Makaha	Makaha Valley Redevelopment	Low	Assessment	Hazard Undetermined	Ongoing	State
483	Oahu	Makakilo	Grace Pacific Corporation - Upper Makakilo Stockpile	NFA	Response	No Hazard	NFA	State
484	Oahu	Makakilo	Grace Pacific Corporation - Makakilo Quarry	Low	Assessment	Hazard Undetermined	Ongoing	VRP
485	Oahu	Mililani	Mililani Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
486	Oahu	Mililani	Unocal SS #7587	Low	Assessment	Hazard Undetermined	Ongoing	State
487	Oahu	Pearl City	406 Kamehameha Highway	Medium	Assessment	Hazard Present	Ongoing	State
488	Oahu	Pearl City	Waimano Home Campus	Low	Assessment	Hazard Managed With Engineering Controls	Inactive	Brownfields Site

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
489	Oahu	Pearl City	HECO Generating Station: Waiau	Low	Assessment	Hazard Undetermined	Ongoing	State
490	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Present	Ongoing	State
491	Oahu	Pearl City	HECO Waiau Generating Station Unit 5 PCB Cleanup	Medium	Response	Hazard Undetermined	Inactive	State
492	Oahu	Pearl City	Marines MFH Manana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
493	Oahu	Pearl City	Navy MFH Manana	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
494	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
495	Oahu	Pearl City	Noble's Auto Transmission	Low	Assessment	Hazard Undetermined	Ongoing	State
496	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
497	Oahu	Pearl City	Hawaii Army National Guard Waiawa Gulch	Low	Response	Hazard Present	Ongoing	State
498	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Hazard Undetermined	Ongoing	State
499	Oahu	Pearl Harbor	Pearl Harbor Naval Complex	Medium	Response	Hazard Undetermined	Ongoing	NPL
500	Oahu	Pearl Harbor	Pearl Harbor Sediment Study DU E-2	Medium	Assessment	Hazard Undetermined	Ongoing	State
501	Oahu	Schofield Barracks	Army MFH SB Akolea	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
502	Oahu	Schofield Barracks	Army MFH SB Aloala	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
503	Oahu	Schofield Barracks	Army MFH SB Canby	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
504	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
<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>	
505	Oahu	Schofield Barracks	Army MFH SB Hamilton	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
506	Oahu	Schofield Barracks	Army MFH SB Kaena	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
507	Oahu	Schofield Barracks	Army MFH SB Leader Field	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
508	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
509	Oahu	Schofield Barracks	Army MFH SB Moyer	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
510	Oahu	Schofield Barracks	Army MFH SB Patriot	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
511	Oahu	Schofield Barracks	Army MFH SB Porter	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
512	Oahu	Schofield Barracks	Army MFH SB Ralston	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
513	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
514	Oahu	Schofield Barracks	Army MFH SB Solomon	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
515	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
516	Oahu	Wahiawa	HECO Pad-Mounted Transformer 52230 V5988A	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
517	Oahu	Wahiawa	NCTAMSPAC Center Street	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	NPL
518	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
519	Oahu	Wahiawa	Whitmore Village Property	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
520	Oahu	Waialua	Dillingham Ranch	Low	Assessment	Hazard Undetermined	Ongoing	State
521	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	VRP
522	Oahu	Waialua	Waialua Sugar Mill VRP Site	High	Response	Hazard Present	Ongoing	VRP
523	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing	State
524	Oahu	Waianae	Waianae Elementary School diesel UST	Low	Assessment	Hazard Present	Ongoing	State
525	Oahu	Waimanalo	Air Force MFH Bellows Renovation	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
526	Oahu	Waimanalo	University of Hawaii, Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive	State
527	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive	State
528	Oahu	Waipahu	94-250 Mokuola St	Low	Assessment	Hazard Present	Ongoing	State
529	Oahu	Waipahu	Al's Waipahu Union Service #5673	NFA	Response	No Hazard	NFA	State
530	Oahu	Waipahu	Hans Metals	Low	Response	Hazard Undetermined	Ongoing	State
531	Oahu	Waipahu	Navy MFH Ford Island	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
532	Oahu	Waipahu	Waipahu Dry Cleaners	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
533	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State

HSRP LIST OF PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY2016								
	<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>
534	Oahu	Waipio	Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
535	Oahu	Wheeler AAF	Army MFH WAAF Kunia	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
536	Oahu	Wheeler AAF	Army MFH WAAF Puali North	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
537	Oahu	Wheeler AAF	Army MFH WAAF Puali South	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
538	Oahu	Wheeler AAF	Army MFH WAAF Wiliwili	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
	Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program
1	Hawaii	Army, Corps of Engineers	FUDS Army Impact Range	High	Assessment	Hazard Present	Ongoing	FUDS
2	Hawaii	Army, Corps of Engineers	FUDS Firing Range and Camp, Lalamilo, Hawaii	High	Response	Hazard Present	Ongoing	FUDS
3	Hawaii	Army, Corps of Engineers	FUDS Ka'u Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
4	Hawaii	Army, Corps of Engineers	FUDS Keaau Bombing Target	Medium	Assessment	Hazard Present	Ongoing	FUDS
5	Hawaii	Army, Corps of Engineers	FUDS Mahukona Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
6	Hawaii	Army, Corps of Engineers	FUDS Nansay Hawaii	Low	Assessment	Hazard Present	Ongoing	FUDS
7	Hawaii	Army, Corps of Engineers	FUDS Pakini Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
8	Hawaii	Army, Corps of Engineers	FUDS Popoki Target Area	High	Response	Hazard Present	Ongoing	FUDS
9	Hawaii	Army, Corps of Engineers	FUDS Wahine Maka Nui Target	Medium	Assessment	Hazard Present	Ongoing	FUDS
10	Hawaii	Army, Corps of Engineers	FUDS Waiakea Forest Reserve	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
11	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area	Low	Response	Hazard Present	Ongoing	FUDS
12	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp	Low	Assessment	Hazard Undetermined	Inactive	IRP
13	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
14	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
15	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation MMRP	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
16	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area MMRP	Medium	Assessment	Hazard Present	Ongoing	MMRP
17	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Pu'u Pa'a	High	Assessment	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
	Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program
18	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Vehicle Refueling Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
19	Johnston Atoll	Army, Johnston Atoll	Johnston Atoll, Pacific Ocean	Low	Assessment	Hazard Undetermined	Ongoing	Army
20	Kahoolawe	Navy, Marine Corps	Kahoolawe Island	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
21	Kauai	Army, Corps of Engineers	FUDS Ahukini	Medium	Assessment	Hazard Present	Ongoing	FUDS
22	Kauai	Army, Corps of Engineers	FUDS Grove Farm Artillery Range, Kauai	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	FUDS
23	Kauai	Army, Corps of Engineers	FUDS Waimea Training Site	Medium	Assessment	Hazard Present	Ongoing	FUDS
24	Kauai	Air Force, Kokee Air Force Station	Kokee AFS EA01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
25	Kauai	Air Force, Kokee Air Force Station	Kokee AFS SS01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
26	Kauai	Air Force, Kokee Air Force Station	Kokee AFS SS02	Low	Assessment	Hazard Undetermined	Ongoing	IRP
27	Kauai	Navy, Pacific Missile Range Facility	Pacific Missile Range Facility	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
28	Kauai	Navy, Pacific Missile Range Facility	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard Undetermined	Ongoing	IRP
29	Kauai	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard Undetermined	Inactive	IRP
30	Kauai	Navy, Pacific Missile Range Facility	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined	Inactive	IRP
31	Kauai	Navy, Pacific Missile Range Facility	PMRF, Landfills 5, 6, &7	Medium	Response	Hazard Undetermined	Ongoing	IRP
32	Kauai	Navy, Pacific Missile Range Facility	PMRF, Sandblast Grit Area Site 6	Low	Response	No Hazard	Ongoing	IRP

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
	Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program
33	Kauai	Navy, Pacific Missile Range Facility	PMRF, Torpedo Postrun Facility Drain	Low	Assessment	Hazard Undetermined	Inactive	IRP
34	Kauai	Navy, Pacific Missile Range Facility	PMRF, Transformer Substation System	NFA	Assessment	No Hazard	NFA	IRP
35	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Present	Ongoing	FUDS
36	Lanai	Army, Corps of Engineers	FUDS Lanai Radar Station	Low	Response	Hazard Present	Ongoing	FUDS
37	Maui	Army, Corps of Engineers	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present	Ongoing	FUDS
38	Maui	Army, Corps of Engineers	FUDS Kane Puu Naval Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
39	Maui	Army, Corps of Engineers	FUDS Maui Bombing Targets	Medium	Assessment	Hazard Present	Ongoing	FUDS
40	Maui	Army, Corps of Engineers	FUDS Opana Point	Medium	Assessment	Hazard Present	Ongoing	FUDS
41	Molokai	Army, Corps of Engineers	FUDS Ilio Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
42	Molokai	Army, Corps of Engineers	FUDS Ilio Point Annex	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
43	Molokai	Army, Corps of Engineers	FUDS Makanalua Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
44	Molokai	Army, Corps of Engineers	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
45	Molokai	Army, Corps of Engineers	FUDS Molokai Bombing Targets - Punakua	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
46	Molokai	Army, Corps of Engineers	FUDS Moomomi Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
47	Molokai	Army, Corps of Engineers	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present	Ongoing	FUDS
48	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	IRP
49	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation 1850 Aliamanu Drive	Low	Assessment	Hazard Undetermined	Ongoing	Army

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
50	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Bunker & Residential Areas	Low	Assessment	Hazard Undetermined	Inactive	IRP
51	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Command Bunker Site ALMR-02	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
52	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Seal Tunnel Portals	Low	Assessment	Hazard Undetermined	Inactive	IRP
53	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Auto Hobby Shop	Low	Assessment	Hazard Undetermined	Inactive	IRP
54	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Building 117	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
55	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy
56	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Dry Well Network	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
57	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Fire Fighting Training Pits	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
58	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Former Fuel Farm	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
59	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Golf Course Battery Shop	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
60	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Golf Course Maintenance Shop	Medium	Response	No Hazard	NFA	IRP
61	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Navy Public Works Center	Low	Response	Hazard Present	Ongoing	BRAC
62	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Public Works Transportation Compound	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
63	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Regional Groundwater System	Low	Assessment	Hazard Undetermined	Inactive	BRAC
64	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Runway 11 Clear Zone	Low	Assessment	Hazard Undetermined	Inactive	BRAC
65	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Sanitary Landfill	Low	Response	Hazard Present	Ongoing	IRP
66	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Station S1759	NFA	Response	No Hazard	NFA	IRP
67	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Transformer Substations	Low	Response	Hazard Present	Inactive	BRAC
68	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS UST BP 19-20	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
69	Oahu	Air Force, Bellows Air Force Station	Bellows AFB SS05	Low	Assessment	Hazard Undetermined	Ongoing	IRP
70	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC10	Low	Assessment	Hazard Undetermined	Ongoing	IRP
71	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined	Ongoing	IRP
72	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC20	Low	Assessment	Hazard Undetermined	Ongoing	IRP
73	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC21	Low	Assessment	Hazard Undetermined	Ongoing	IRP
74	Oahu	Air Force, Bellows Air Force Station	Bellows AFS DP06	Low	Assessment	Hazard Undetermined	Ongoing	IRP
75	Oahu	Air Force, Bellows Air Force Station	Bellows AFS DP17	Low	Assessment	Hazard Undetermined	Ongoing	IRP
76	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA03	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
77	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA04	Low	Assessment	Hazard Undetermined	Ongoing	IRP
78	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA05	Low	Assessment	Hazard Undetermined	Ongoing	IRP
79	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA09	Low	Assessment	Hazard Undetermined	Ongoing	IRP
80	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large Bomb Range	Low	Assessment	Hazard Present	Ongoing	MMRP
81	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
82	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present	Ongoing	MMRP
83	Oahu	Air Force, Bellows Air Force Station	Bellows AFS OU1	Low	Assessment	Hazard Undetermined	Ongoing	IRP
84	Oahu	Air Force, Bellows Air Force Station	Bellows AFS OU7	Low	Assessment	Hazard Undetermined	Ongoing	IRP
85	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SD04	Low	Assessment	Hazard Undetermined	Ongoing	IRP
86	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SD22	Low	Assessment	Hazard Undetermined	Ongoing	IRP
87	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SS21	Low	Assessment	Hazard Undetermined	Ongoing	IRP
88	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST03	Low	Assessment	Hazard Undetermined	Ongoing	IRP
89	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST09	Low	Assessment	Hazard Undetermined	Ongoing	IRP
90	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST11	Low	Assessment	Hazard Undetermined	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
	Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program
91	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST12	Low	Assessment	Hazard Undetermined	Ongoing	IRP
92	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST13	Low	Assessment	Hazard Undetermined	Ongoing	IRP
93	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST14	Low	Assessment	Hazard Undetermined	Ongoing	IRP
94	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST15	Low	Assessment	Hazard Undetermined	Ongoing	IRP
95	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST16	Low	Assessment	Hazard Undetermined	Ongoing	IRP
96	Oahu	Navy, Pearl Harbor Naval Complex	Building 68 Electric Shop	Medium	Assessment	Hazard Undetermined	Inactive	IRP
97	Oahu	Navy, Pearl Harbor Naval Complex	Building 8 Pearl Harbor Naval Shipyard	Low	Assessment	Hazard Undetermined	Ongoing	IRP
98	Oahu	Army, Schofield Barracks	Building Quad-J	Low	Assessment	Hazard Undetermined	Ongoing	Army
99	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation PCB Spill Site (DILMR-01)	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
100	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
101	Oahu	Navy, Ford Island	Ford Island	High	Response	Hazard Undetermined	Ongoing	IRP
102	Oahu	Navy, Pearl Harbor Naval Complex	Ford Island Landfill	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
103	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined	Inactive	IRP
104	Oahu	Army, Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined	Inactive	IRP
105	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined	Inactive	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
106	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST20, Subsite F706	Low	Assessment	Hazard Undetermined	Ongoing	IRP
107	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST20, Subsite F-708	Low	Assessment	Hazard Undetermined	Ongoing	IRP
108	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST20, Subsite F-727	Low	Assessment	Hazard Undetermined	Ongoing	IRP
109	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST20, Subsite FTKAM-UNK2	Low	Assessment	Hazard Undetermined	Ongoing	IRP
110	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST38, Subsite 3318	Low	Assessment	Hazard Undetermined	Ongoing	IRP
111	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha ST38, Subsite 3361	Low	Assessment	Hazard Undetermined	Ongoing	IRP
112	Oahu	Army, Fort Shafter	Fort Shafter, Building 1527	Low	Response	No Hazard	Ongoing	IRP
113	Oahu	Army, Fort Shafter	Fort Shafter, DRILL Field, Pistol Range, and Rifle Ranges 1 & 2	Low	Response	Hazard Undetermined	Ongoing	MMRP
114	Oahu	Army, Fort Shafter	Fort Shafter, Skeet Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
115	Oahu	Army, Fort Shafter	Fort Shafter, Solid Waste Dump Site FTSHF-27	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
116	Oahu	Army, Corps of Engineers	FUDS Aiea AAA Command Post	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
117	Oahu	Army, Corps of Engineers	FUDS Aiea Military Reservation	High	Response	Hazard Present	Ongoing	FUDS
118	Oahu	Army, Corps of Engineers	FUDS Battery Avery J. Cooper	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
119	Oahu	Army, Corps of Engineers	FUDS Battery George W. Ricker	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
120	Oahu	Army, Corps of Engineers	FUDS Center Combat Range	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
121	Oahu	Army, Corps of Engineers	FUDS Coconut Island	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
122	Oahu	Army, Corps of Engineers	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present	Ongoing	FUDS
123	Oahu	Army, Corps of Engineers	FUDS Haiku Radio Station	Low	Assessment	Hazard Undetermined	Ongoing	FUDS

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
124	Oahu	Army, Corps of Engineers	FUDS Haleiwa Landing Field	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
125	Oahu	Army, Corps of Engineers	FUDS Heeia Combat Training Camp	High	Response	Hazard Present	Ongoing	FUDS
126	Oahu	Army, Kapalama Military Reservation	FUDS Kahuku Airfield Military Reservation	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
127	Oahu	Army, Corps of Engineers	FUDS Kahuku Training Area	Medium	Assessment	Hazard Present	Ongoing	FUDS
128	Oahu	Army, Corps of Engineers	FUDS Makapuu Light House	Medium	Assessment	Hazard Present	Ongoing	FUDS
129	Oahu	Army, Corps of Engineers	FUDS Oahu Target Island	High	Assessment	Hazard Present	Ongoing	FUDS
130	Oahu	Army, Corps of Engineers	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Hazard Present	Ongoing	FUDS
131	Oahu	Army, Corps of Engineers	FUDS Pacific Jungle Combat Training Area	High	Assessment	Hazard Present	Ongoing	FUDS
132	Oahu	Army, Corps of Engineers	FUDS Pali Training Camp	High	Assessment	Hazard Present	Ongoing	FUDS
133	Oahu	Army, Corps of Engineers	FUDS Puuloa-Ex NAS Barbers Point	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
134	Oahu	Army, Corps of Engineers	FUDS Rabbit Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
135	Oahu	Army, Corps of Engineers	FUDS Range D-400-L	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
136	Oahu	Army, Corps of Engineers	FUDS ST-10 Sherwood Forest USTs	Low	Response	Hazard Undetermined	Ongoing	FUDS
137	Oahu	Army, Corps of Engineers	FUDS Waiuu Drum Storage	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
138	Oahu	Army, Corps of Engineers	FUDS Waiiawa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
139	Oahu	Army, Corps of Engineers	FUDS Waikane Training Area	High	Response	Hazard Present	Ongoing	FUDS
140	Oahu	Army, Corps of Engineers	FUDS Wailua Artillery Impact Area	High	Assessment	Hazard Present	Ongoing	FUDS
141	Oahu	Army, Corps of Engineers	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present	Ongoing	FUDS

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
142	Oahu	Army, Helemano Military Reservation	Helemano Military Reservation, Abandoned Communications Tunnel Site HMR-06	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
143	Oahu	Army, Helemano Military Reservation	Helemano Military Reservation, Buried Paint Lockers Bldg 300 Site HMR-08	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
144	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
145	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP
146	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA11 Old HIANG Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
147	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Building 1204	Low	Assessment	Hazard Undetermined	Inactive	IRP
148	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Building 2140	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
149	Oahu	Air Force, Hickam Air Force Base	Hickam AFB CF23, Former Mess Hall	Medium	Assessment	Hazard Present	Ongoing	IRP
150	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, Former Skeet Ranges	Low	Assessment	Hazard Present	Ongoing	MMRP
151	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, MRS TS001 Hickam Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
152	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
153	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
154	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Hazard Present	Ongoing	MMRP
155	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present	Ongoing	MMRP
156	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, EOD Area USTs	Low	Assessment	Hazard Present	Ongoing	IRP
157	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Subsite 2020/2021	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
158	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Subsite 3007	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
159	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Subsite 3023	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
160	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Subsite AVPA-B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
161	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, Subsite 1093	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
162	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, Subsite 2006	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
163	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30 Subsite 725	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
164	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 815	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
165	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 934	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
166	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 940	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
167	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 969	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
168	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 970	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
169	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Subsite 998	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
170	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite 1001	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
171	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite 1055B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
172	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite F-1041	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
173	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite F-29A	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
174	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Subsite F-33	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
175	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1102	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
176	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 1152	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
177	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite 2050B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
178	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite F-177A&B	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
179	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Subsite F-511	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
180	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Vickers Avenue USTs	Low	Assessment	Hazard Present	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
181	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite 320	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
182	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite 344	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
183	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite 358	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
184	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST33, Subsite 496	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
185	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Clean Water Rinse Facility	Medium	Assessment	Hazard Present	Ongoing	IRP
186	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, Subsite 2184	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
187	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, Subsite 1720	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
188	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, Subsite F-1818	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
189	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST38, Fort Kamehameha USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
190	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Base X Sandblast Grit	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
191	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1120 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
192	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1760 USTs	Low	Assessment	Hazard Present	Ongoing	Compliance
193	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1805 USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
194	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1860 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
195	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 2072 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
196	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 309 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
197	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 333 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
198	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 369 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
199	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 484 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
200	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 869 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
201	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 940 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
202	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 969 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
203	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 986 UST	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
204	Oahu	Air Force, Hickam Air Force Base	Hickam Former Building 2156 AST	Medium	Assessment	Hazard Present	Ongoing	IRP
205	Oahu	Air Force, Hickam Air Force Base	Hickam Golf Course IRP Site LFOS-Triservices Landfill	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
206	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL Default Sites	Medium	Assessment	Hazard Present	Ongoing	IRP
207	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST01, Kipapa Fuel Storage Annex	High	Assessment	Hazard Present	Ongoing	IRP
208	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST01C, KFSA UST, OWS, & Cesspool	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
209	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST02, Spill Site ST02 & Valve Pit 26	Low	Assessment	Hazard Undetermined	Ongoing	IRP
210	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST03, Spill Site ST03 & Valve Pits 14, 15, 15A, & 16	Medium	Assessment	Hazard Present	Ongoing	IRP
211	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST14, Spill Site ST14 & Valve Pit 30	Medium	Assessment	Hazard Present	Ongoing	IRP
212	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST28, Spill Site 28 (Formerly EA05)	Low	Assessment	Hazard Undetermined	Ongoing	IRP
213	Oahu	Navy, Joint Base Pearl Harbor Hickham (JBPHH)	JBPHH, Underground Storage Tank at Marine Barracks Building 285	Low	Assessment	Hazard Present	Ongoing	Compliance
214	Oahu	Air Force, Kaala Air Force Station	Kaala AFS WP03	Low	Assessment	Hazard Undetermined	Ongoing	IRP
215	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
216	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA05	Low	Assessment	Hazard Undetermined	Ongoing	IRP
217	Oahu	Army, Kahuku Training Area	Kahuku Training Area, Buliding 12450 Site KTA-01	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
218	Oahu	Army, Kahuku Training Area	Kahuku Training Area, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
219	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
220	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 322 Motor Pool	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
221	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 322 Motor Pool UST KB-100	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
222	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 322 Motor Pool UST KB-91	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
223	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Facilities Department Salvage Yard	Low	Response	Hazard Undetermined	Ongoing	IRP
224	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH H-3 Landfill	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
225	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Naval Ocean Systems Center	NFA	Response	No Hazard	NFA	IRP
226	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Quarry Pit Landfill	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
227	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformer 1129 Tiki Island Site	NFA	Response	No Hazard	NFA	IRP
228	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformer 1255 Laundromat Site	NFA	Response	No Hazard	NFA	IRP
229	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformer 252B Swimming Pool Site	NFA	Response	No Hazard	NFA	IRP
230	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformer 298 Motor Pool Site	NFA	Response	No Hazard	NFA	IRP

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
231	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformers 898/SS245A/SS245F Wastewater Reclamation Plant Site	NFA	Response	No Hazard	NFA	IRP
232	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformers F-1126A/F-1126B Military Police Site	NFA	Response	No Hazard	NFA	IRP
233	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Transformers F-678/678 Electrical Shop Site	Low	Response	Hazard Present	Ongoing	DSMOA
234	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Various Transformers	NFA	Response	No Hazard	NFA	IRP
235	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Moving Target Range	Medium	Response	Hazard Undetermined	Ongoing	MMRP
236	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Ordnance Demolition Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
237	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Skeet & Trap Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
238	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-44	Low	Assessment	Hazard Undetermined	Inactive	IRP
239	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-73	Low	Assessment	Hazard Undetermined	Inactive	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
240	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Waikane Valley	High	Assessment	Hazard Present	Ongoing	MMRP
241	Oahu	Army, Kapalama Military Reservation	Kapalama Military Reservation South Oahu Location	Low	Assessment	Hazard Undetermined	Ongoing	Army
242	Oahu	Army, Kunia Military Reservation	Kunia Field Station	Low	Assessment	Hazard Undetermined	Inactive	IRP
243	Oahu	Army, Kunia Military Reservation	Kunia Field Station, Microwave Tower & Building 25	Low	Assessment	Hazard Undetermined	Ongoing	IRP
244	Oahu	Navy, Pearl Harbor Naval Complex	Makalapa Pesticide Pit	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
245	Oahu	Army, Makua Military Reservation	Makua Military Reservation MMRP	High	Assessment	Hazard Present	Ongoing	MMRP
246	Oahu	Army, Makua Military Reservation	Makua Military Reservation MMRP MAKU-002-R-03	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
247	Oahu	Army, Makua Military Reservation	Makua Military Reservation MMRP MAKU-003-R-01	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
248	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
249	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Building 1091	Low	Assessment	Hazard Undetermined	Inactive	IRP
250	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Firebomb Mixing Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
251	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
252	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Skeet Shooting Range	Low	Assessment	Hazard Undetermined	Inactive	IRP
253	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay, Fire Fighting Training Area	Low	Response	Hazard Undetermined	Ongoing	IRP
254	Oahu	Navy, Pearl Harbor Naval Complex	Moanalua Shopping Center	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
255	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Naval Magazine Lualualei (Lualualei Branch)	Low	Assessment	Hazard Undetermined	Inactive	IRP
256	Oahu	Navy, Naval Magazine Pearl Harbor	Naval Magazine Pearl Harbor MMRP	High	Assessment	Hazard Present	Ongoing	MMRP
257	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NAVCAM	Low	Assessment	Hazard Undetermined	Inactive	IRP
258	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
259	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
260	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Hazard Undetermined	Ongoing	IRP
261	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Hazard Undetermined	Ongoing	IRP
262	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
263	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
264	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
265	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present	Ongoing	MMRP
266	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
267	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
268	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Outlying Operations Area	Low	Response	Hazard Undetermined	Ongoing	IRP
269	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Range MRS	Low	Response	Hazard Undetermined	Ongoing	MMRP
270	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present	Ongoing	IRP
271	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
272	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Pile MRS	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
273	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Small Arms Range II	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
274	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Stormwater and Sewage Systems	Low	Assessment	Hazard Undetermined	Ongoing	IRP
275	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Trap and Skeet Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
276	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present	Ongoing	IRP
277	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele Burn Pit/Disposal Area	Low	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
278	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, Contaminated Soil, Waipio	Medium	Assessment	Hazard Present	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
279	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch Building 49 Transformer	Medium	Response	Hazard Undetermined	Ongoing	DSMOA
280	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, 4th Street Coral Pit Landfill	Medium	Response	Hazard Managed With Engineering Controls	NFA	IRP
281	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Burning Pit MRS	Low	Response	Hazard Present	Ongoing	MMRP
282	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
283	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
284	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Otto Fuel Waste Storage Area	Medium	Remedy Selection Complete	No Hazard	NFA	IRP
285	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Vehicle Maintenance Facility	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
286	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, West Loch Burning Pit	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
287	Oahu	Navy, Waipio Peninsula	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	High	Assessment	Hazard Present	Ongoing	IRP
288	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMS- ADMIN	High	Response	Hazard Undetermined	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
289	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Antenna 403 Disposal Area	Medium	Assessment	No Hazard	NFA	IRP
290	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Old Coral Pit	Medium	Assessment	Hazard Present	NFA	IRP
291	Oahu	Navy, NAVCAMS EASTPAC Radio Transmitting Facility Lualualei	NCTAMS PAC NRTF LLL, Old NRTF Landfill	Medium	Response	Hazard Managed With Engineering Controls	NFA	IRP
292	Oahu	Navy, NCTAMS Pacific	NCTAMS, Abandoned Firing Range	Medium	Response	No Hazard	Ongoing	IRP
293	Oahu	Navy, NCTAMS Pacific	NCTAMS, Antenna 354 Disposal Area	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
294	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 4 Sump	Medium	Remedy Selection Complete	No Hazard	NFA	IRP
295	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 6 Disposal Site	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
296	Oahu	Navy, NCTAMS Pacific	NCTAMS, East Gulch Disposal Site	Medium	Assessment	Hazard Present	Ongoing	IRP
297	Oahu	Navy, NCTAMS Pacific	NCTAMS, Former Building 63 Tank	Low	Assessment	No Hazard	NFA	IRP
298	Oahu	Navy, NCTAMS Pacific	NCTAMS, Site 18, Transformers 2, 234, and 420	Medium	Assessment	Hazard Present	Ongoing	IRP
299	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformer 420	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
300	Oahu	Navy, NCTAMS Pacific	NCTAMS, Transformers 2 and 420	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
301	Oahu	Navy, NCTAMS Pacific	NCTAMS, Various Transformer Sites	Medium	Response	Hazard Undetermined	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
302	Oahu	Navy, NCTAMS Pacific	NCTAMS, West Gulch Disposal Site	NFA	Assessment	No Hazard	NFA	IRP
303	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMSPAC Radio Transmitter Facility Lualualei	High	Response	Hazard Undetermined	Ongoing	IRP
304	Oahu	Navy, NAVCAMS EASTPAC Opana	Opana (HI1170090053)	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
305	Oahu	Army, Pokai Bay	Ordnance Reef Site HI-06	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
306	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined	Ongoing	Navy
307	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Base Subsurface Oil	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
308	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Fletragru Firetest Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
309	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
310	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Station	Low	Assessment	Hazard Undetermined	Ongoing	IRP
311	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
312	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
313	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Sediment Study	Medium	Assessment	Hazard Present	Ongoing	IRP
314	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined	Ongoing	Navy

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
315	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP
316	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Underground Fuel	Low	Response	Hazard Managed With Institutional Controls	NFA	IRP
317	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined	Inactive	IRP
318	Oahu	Navy, Pearl Harbor Naval Complex	PHFISC, Hotel Pier Site	Low	Assessment	Hazard Undetermined	Inactive	DSMOA
319	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined	Inactive	IRP
320	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Pearl City Fuel Annex	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
321	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, PWC Gas Station Bldg 1326	Medium	Assessment	Hazard Undetermined	Inactive	IRP
322	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Aiea Laundry Building 436	Medium	Response	Hazard Present	Ongoing	IRP
323	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
324	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
325	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
326	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 284 Engine Test Cell	High	Response	Hazard Undetermined	Inactive	IRP
327	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP
328	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
329	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined	Inactive	IRP
330	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
331	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Building 80 & 302	Medium	Response	Hazard Managed With Engineering Controls	NFA	IRP
332	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Landfill	Low	Response	Hazard Managed With Engineering Controls	NFA	IRP
333	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Former Transformer J-13	Medium	Response	Hazard Undetermined	Ongoing	IRP
334	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Building 644	Medium	Assessment	Hazard Present	Ongoing	IRP
335	Oahu	Navy	PHNC, Halawa Main Gate GSA, Magazine Loch Site	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
336	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 11	Low	Assessment	Hazard Present	Ongoing	IRP
337	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Medium	Response	Hazard Undetermined	Ongoing	IRP
338	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 13	Low	Assessment	Hazard Undetermined	Ongoing	IRP
339	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
340	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
341	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Little Makalapa Naval Housing Area, Portion Radford Drive & Kamehameha Hwy	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
342	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Open Area near Building 992	Medium	Remedy Selection Complete	No Hazard	NFA	IRP
343	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Quarry Loch Oil Seepage	Medium	Assessment	Hazard Undetermined	Inactive	IRP
344	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Red Hill, Oily Waste Disposal Pit	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
345	Oahu	Navy, Joint Base Command	PHNC, Sandblast Grit Disposal	Medium	Response	Hazard Present	Ongoing	IRP
346	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Substation G, Building S-6	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
347	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Transformer Site K-14	Low	Assessment	Hazard Undetermined	Ongoing	IRP
348	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Transformer Site TD-10	Medium	Response	Hazard Present	Ongoing	IRP
349	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Underwater Munitions NDSA	High	Assessment	Hazard Undetermined	Ongoing	MMRP
350	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined	Inactive	IRP
351	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST BP-1	Medium	Assessment	Hazard Present	Ongoing	IRP
352	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined	Inactive	IRP
353	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Various Transformer Sites	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
354	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Area north of Building 1754	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
355	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Former Battery Acid Pit	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
356	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, NSY Transport Yard, New 02	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
357	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
358	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Storm/Sanitary Sewer Drain	Medium	Assessment	Hazard Undetermined	Inactive	IRP
359	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
360	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined	Inactive	IRP
361	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined	Inactive	IRP
362	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST S932	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
363	Oahu	Navy, Public Works Center	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined	Inactive	IRP
364	Oahu	Navy, Public Works Center	PHPWC, Burn Area near Pearl City Peninsula	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
365	Oahu	Navy, Public Works Center	PHPWC, Makalapa Landfill Area	Medium	Assessment	Hazard Present	Ongoing	IRP
366	Oahu	Navy, Public Works Center	PHPWC, Makalapa Pesticide Rinseate	NFA	Response	No Hazard	NFA	IRP
367	Oahu	Navy, Public Works Center	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined	Inactive	IRP
368	Oahu	Navy, Public Works Center	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined	Inactive	IRP
369	Oahu	Navy, Public Works Center	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined	Inactive	IRP
370	Oahu	Navy, Public Works Center	PHPWC, Wastewater Treatment Plant Waste	High	Assessment	Hazard Undetermined	Ongoing	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
371	Oahu	Army, Schofield Barracks	Schofield Barracks Buildings 652, 649, 650	Low	Assessment	Hazard Undetermined	Ongoing	Army
372	Oahu	Army, Schofield Barracks	Schofield Barracks Kalakaua Golf Course KGC Site CCSB0031	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
373	Oahu	Army, Schofield Barracks	Schofield Barracks NCO Academy Building 6055	Low	Assessment	Hazard Undetermined	Ongoing	Army
374	Oahu	Army, Schofield Barracks	Schofield Barracks Site 26 Car Care	Low	Assessment	Hazard Undetermined	Inactive	IRP
375	Oahu	Army, Schofield Barracks	Schofield Barracks, Operable Unit 2 (OU2)	High	Response	Hazard Present	Ongoing	IRP
376	Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
377	Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2 (TD)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
378	Oahu	Army, Schofield Barracks	Schofield Barracks, Site ER-7A	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
379	Oahu	Army, Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
380	Oahu	Army, Schofield Barracks	Schofield Barracks, Southern Pistol Ranges	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
381	Oahu	Army, Schofield Barracks	Schofield Barracks, UST Building 3010A	Low	Assessment	Hazard Present	Inactive	IRP
382	Oahu	Army, Schofield Barracks	Schofield Barracks, Yonkers Range	Medium	Response	Hazard Present	Ongoing	MMRP
383	Oahu	Navy, Pearl Harbor Naval Complex	USN Fleet Training Group	Low	Assessment	Hazard Undetermined	Ongoing	Navy
384	Oahu	Air Force, Hickam Air Force Base	Waiawa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined	Inactive	IRP

HSRP DSMOA PRIORITY SITES FY2016

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program	
385	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
386	Oahu	Navy, Naval Magazine Lualualei (West Loch Branch)	Waipahu Incinerator/Ash Dump	Medium	Response	Hazard Present	Ongoing	IRP
387	Oahu	Army, Wheeler Army Airfield	Wheeler AA FT04	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
388	Oahu	Army, Wheeler Army Airfield	Wheeler AA LF01	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
389	Oahu	Army, Wheeler Army Airfield	Wheeler AA SD05	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
390	Oahu	Army, Wheeler Army Airfield	Wheeler AA SD06	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
391	Oahu	Army, Wheeler Army Airfield	Wheeler AA WP07	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
392	Oahu	Army, Wheeler Army Airfield	Wheeler AA WP08	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
393	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield DP02	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
394	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield DP03	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
395	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield MMRP	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
396	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Archery Range	Low	Assessment	Hazard Undetermined	Inactive	IRP
397	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Combat Aviation Brigade	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP

HAWAII STATE RESPONSE PROGRAM DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF SITES FY2016								
	Island	Installation	Site Name	Priority	Action	Potential Hazards And Controls	Site Status	Cleanup Program
398	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Firing Range 2a	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
399	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Practice Bomb Range	NFA	Response	Hazard Managed With Institutional Controls	NFA	MMRP
400	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Skeet Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP

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