

**REPORT TO THE TWENTY-SIXTH LEGISLATURE  
STATE OF HAWAII  
2012**

**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  
FY 2011**

**PREPARED BY:**

**DEPARTMENT OF HEALTH  
STATE OF HAWAII  
DECEMBER 2011**

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**EXECUTIVE SUMMARY**


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**REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND  
FOR FISCAL YEAR 2011 REPORT ON CHAPTER 128D, HRS, ENVIRONMENTAL RESPONSE LAW  
AND 128E, HRS HAWAI`I EMERGENCY PLANNING AND COMMUNITY RIGHT-TO KNOW ACT**

This report, prepared by the State of Hawai`i 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.

The report presents an accounting of FY 2011 Chapter 128D, HRS, Environmental Response Revolving Fund (ERRF) budget and expenditures, Hawai`i State Response Program site lists, and descriptions of key program activities for five Environmental Health Administration (EHA) programs.

The report also presents an accounting of Chapter 128E, HRS, Hawaii Emergency Planning and Community Right to Know Act (HEPCRA) Tier II filing fees collected in FY 2011 and distributed for FY 2012.

**ERRF SUPPORT TO FIVE ENVIRONMENTAL HEALTH ADMINISTRATION PROGRAMS**

Five Environmental Health Administration (EHA) programs are funded by the ERRF special fund. They are the Hazardous 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).

**ERRF REVENUE**

The "environmental response tax" deposited to the ERRF and for use by the DOH environmental programs 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.

Revenue is also generated in variable amounts during any given year from fines, penalties, and interest earned by the environmental programs.

The fund supports 39 permanent positions within HEER Office, EMD, CWB, SDWB, and SHWB. Oil tax revenue to DOH in FY 2011 was \$1,402,836. Revenue to the ERRF, including the oil tax revenue, totaled \$3,237,945 in FY 2011.

**ERRF BUDGET AND EXPENDITURE**

Personnel and operating budgets were appropriated/allotted to 39 positions within the Environmental Management Division (EMD) (\$1,847,784/\$1,458,518) and Hazard Evaluation and Emergency Response (HEER) Office (\$3,228,384/\$2,150,948).

The State expended \$2,811,864 of 3,609,466 allotted to the five HTH 849 and HTH 840 environmental programs. Each year a portion of the DOH allotment is held in reserve pending its use towards a major chemical and/or terrorist related emergency response action.

**SITES ELIGIBLE FOR REMEDIAL ACTION UNDER CERCLA**

Three Hawai`i 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.

- Del Monte Corporation (Oahu Plantation) Kunia
- NCTAMSPAC Center Street, Navy, Naval Computer and Telecommunications Area Master Station-Pacific
- Pearl Harbor Naval Complex, Navy

**RESPONSE PROGRAM SITE LISTINGS**

Four lists are presented at the end of this document.

- A listing that identifies Hawai`i sites eligible and possibly eligible for remedial action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)
- The Hawai`i State Response Program List of Priority Sites

- The Department of Defense Program List of Priority Sites
- The Hawai'i State Response Program Release Notification Log.

The prioritized sites represent all Hawai'i sites identified for potential or known non-emergency response actions managed by the HEER Office Site Discovery, Assessment, and Remediation Section Remedial Project Managers (RPMs). Assessment and cleanup activities are underway within HEER Office Site Discovery, Assessment, and Remediation (SDAR) Section on 428 Hawai'i State Response Program sites and 369 federal Department of Defense/State Memorandum of Agreement (DSMOA) Program sites. Historically, the HEER Office has investigated and closed more than 1,000 sites statewide.

The number DOD Program sites increased this year by 79 sites as a result of detailed individual investigations that focused on smaller areas of previously identified larger sites. Overall, however, very few new military sites have been discovered that require investigation and clean up, largely due to systematized identification of DSMOA sites in previous fiscal years and much stricter pollution prevention practices that greatly reduce the number of spills. Because the Air Force and Navy work systematically to address high priority sites first, the majority of the sites remaining are medium and low priority. In 2011, clean up decisions were reached at 55 DSMOA sites, with remedy completion at 48 sites.

The FY 2011 Release Notification Log lists a total of 234 hazardous substance and petroleum release notifications managed by the HEER Office State On Scene Coordinators (SOSCs). 201 cases were directly related to the release of petroleum related substances.

#### ERRF KEY LEGISLATIVE ACTIONS

The 2011 Legislature considered, but did not pass, measures to increase the DOH 5-cent per barrel tax revenue. Act 73, SLH 2010 Relating to Government raised the Environmental Response Revolving Fund

(ERRF) per barrel petroleum tax from 5-cents to \$1.05, but did not increase the 5-cents per barrel DOH revenue share. Sixty cents of the increase was allocated to the General Fund. The remaining 45 cents additional revenue were allocated at specific rates to two established funds, the ERRF and the energy security special fund, and two newly created funds, the energy systems development fund and the agricultural development and food security special fund. Specifically, the revenue is distributed as follows; 5-cents to the ERRF, 15-cents to the energy security special fund, 10-cents to the energy systems development fund, and 15-cents to the agricultural development and food security fund. Act 73 also exempted aviation fuel as a petroleum fuel subject to the per barrel petroleum tax.

#### DOH OIL TAX REVENUE IS DECLINING

The 5-cent per barrel "environmental response tax" revenue to environmental programs is one of decline. For fiscal years 2008, 2009, 2010, and 2011 oil tax revenue were \$1,695,473, \$1,589,612, \$1,421,270, and \$1,402,836, respectively.

The Department of Taxation had estimated the ERRF tax rate share to DOH would need to be increased to between 7.3 and 9.5 cents, even before the aviation fuel tax exemption under Act 73, SLH 2010, to maintain revenue levels. Further decline will occur under the Hawaii Clean Energy Initiative as Hawai'i reduces fossil fuel consumption from about 90% to 30% by 2030.

#### HAWAI'I STATE RESPONSE PROGRAM IMPACTED BY FEDERAL BUDGET CUTS

The federal fiscal budget outlook is dim, given the second slowdown in the national economy, especially with respect to EPA funding of State Response Program Activities. Our fiscal 2012 EPA SRP grant allocation was reduced by \$110, 600, a 10% cut, from FY 2011. The states have been put on notice that FY 2013 state allocations will face an additional 10-30% decrease.

## FY 2011 DOH ENVIRONMENTAL PROGRAM HIGHLIGHTS

### HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE: REDUCING RISKS TO PROTECT THE PUBLIC USING COMBINED STATE AND FEDERAL FUNDING

#### Reclaiming Contaminated Properties

State and federal funding appropriated to HEER Office is combined to finance the mission's implementing program, the Hawai'i State Response Program (HSRP). For FY 2011, HEER Office accomplished its primary mission with 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 and technical assistance to other agencies were curtailed due to state budget constraints.

#### Encouraging Economic Redevelopment

HEER Office facilitates safe, efficient, and timely redevelopment of brownfields properties and conversions of former agricultural lands. In 2011, the HEER Office helped Hawaii Department of Business Economic Development and Tourism (DBEDT) assist renewable energy companies to identify contaminated sites appropriate for safe re-use.



*A depiction of a photovoltaic (PV) solar field to be constructed atop a brownfield located in western Oahu.*

One example of redevelopment is the former Hawaiian Western Steel (HWS) site in Campbell Industrial Park. HWS converted scrap steel to rebar and 100,000 cubic yards of waste material was disposed of at the site. In 1992, EPA ordered cleanup for the site. The waste was consolidated and capped to protect human health, the local ecosystem and the groundwater. In 2006, HEER issued a No Further Action determination for the site with controls restricting future site activities to protect the integrity of the cap. In 2011, DOH assisted the proposed user to determine acceptability and safety of the PV farm to be constructed on top of the cap.

#### Site Discovery

Intensive, federally funded site discovery efforts were undertaken to locate, visit, and sample all historic pesticide mixing and storage areas statewide to identify abandoned operations that could be causing present day risks in newly urbanized areas. The site discovery program also evaluates current industrialized areas for contamination concerns that could affect local residents or our natural environment.

#### UXO Hazards

Unexploded munitions left behind from historic military training actions are present throughout the Hawaiian Islands. DOH has direct oversight of numerous, high priority UXO long-term investigation and cleanup efforts at places like Hapuna Beach on the Big Island and Makua on Oahu. In addition, we provide crucial support to interagency efforts to resolve access issues, protect natural resources and support continued federal funding. This oversight work is funded through the federal DSMOA grant.

#### Fast Track Cleanups

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 Hawai'i's ability to focus on more serious and complex releases. 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://hawaii.gov/health/environmental/environmental/hazard/fasttrack.html>

#### **Clear Guidance for the Regulated Community**

Hawai'i's environment is very different from the mainland, and guidance that reflects local conditions and the best available science is essential to ensure that risks are identified and managed appropriately and efficiently in our island environment. Hawai'i has led the way with state of the art investigation techniques to accurately assess contamination and reduce sampling costs.

In 2011, HEER used federal funding to write and improve several sections of our Technical Guidance Manual (TGM). The TGM is a constant work in progress. Information is added or updated as HEER performs field investigations, receives comments from Hawai'i's scientific community, or learns of new technology. The complete Technical Guidance Manual is found at <http://www.hawaiiidoh.org/tgm.aspx>

#### **Soil Vapor**

The HEER Office used grant funding to develop more efficient, cost effective and accurate approaches for investigating and evaluating vapor intrusion hazards in buildings at petroleum-contaminated sites to ensure safety of employees and other building users. For one phase of work, document reviews, expert consultants, and existing data were used to enhance our soil vapor guidance with detailed active and passive soil gas sample-collection methods, including evaluation of passive soil gas samplers. Section 7 of the TGM will be finalized and available to the public in mid-October.

During another phase of work, HDOH gathered carbon-range data that would allow for more accurate assessment of health risks associated with total petroleum hydrocarbon (TPH) components of petroleum vapor. This type of research puts Hawai'i ahead of many other states that focus on the toxic components of the benzene, toluene, ethylbenzene, and xylene (BTEX) components of fuel and overlook the toxic effects of the TPH fractions. The results will be used to update TPH soil gas action levels later this year, and make additional recommendations to consultants about the best methods to use when sampling soil gas at petroleum-contaminated sites.

#### **Pesticide Study**

Existing HDOH HEER records of pesticide-related data at agricultural sites were compiled and summarized to help the HEER office as well as other public and private entities identify former agricultural operations that pose a risk of significant environmental contamination.

Contaminants of interest include dioxin, arsenic and triazine pesticide contamination at former pesticide mixing areas and mercury contamination at former seed dipping vats. Existing urban/industrial dioxin data were also summarized and compared to the agricultural data, so that ambient pesticide concentrations in Hawai'i can be better understood.

#### **Background Metals**

Hawai'i's unique volcanic soils can have unusually high concentrations of naturally occurring metals compared with mainland soils. While these soils don't pose a health risk, it's very important to be able to differentiate between spills of toxic materials that require action under our cleanup statutes and natural local conditions. HDOH has used Federal funding to conduct a background metals investigation to determine background concentrations of major and trace metals on seven islands.

Data from field samples and several scientific sources have been compiled and evaluated using multiple lines of evidence to create a set of data that can be used, along with the HEER Office Environmental Action Levels (EAL) when making site closure decisions. A report will be generated and made available to the consulting community by the end of October 2011. The data also highlight certain regions where specific metal concentrations are consistently higher than other areas. Future grant-funded phases of the study will investigate whether these elevated concentrations are related to soil type or whether these regions should be investigated as potential releases under HEER's Site Discovery program.

#### **Increased Public Outreach about Safe Management of Contaminated Properties**

Keeping the public informed about identification and safe management of contaminated properties is a key priority for the HEER Office. In 2011, using federal funding, we reached out to the public through the HEER Newsletter, updated guidance, our

updated Website, joint training events, and the 5<sup>th</sup> Brownfields Forum.

The Website now contains a calendar with upcoming local training events and free webinars. The public can register for most events through links on the calendar. Additional training was provided by Dr. Roger Brewer of the Hazard Evaluation Section. He visited community meetings, military offices, and consulting firms to train them on environmental hazard evaluation, using environmental action levels to close sites, and/or proper multi-incremental sampling methodology.

The HEER Office also used Federal funds and our NES contractor to design training to help construction and trench workers who may encounter contamination. The goal is to train workers who are not environmental professionals to know historical land use that may have caused contamination, know the environmental resources that are available to help them, and properly report contamination if they encounter it unexpectedly. Although the first training event will not occur until October or November 2011, labor unions, professional groups, and utilities have contacted the HEER Office requesting information about the training.

The latest news is available on our updated Website at:

<http://hawaii.gov/health/environmental/environmental/hazard/index.html>

The latest HEER Newsletters and the training calendar can be found at:

<http://hawaii.gov/health/environmental/environmental/hazard/events.html>

#### **Fifth Hawai'i Brownfields Forum**

The HEER Office collaborated with two other state agencies, DBEDT and the Hawaii Department of Labor and Industrial Relations (DLIR), to conduct the Hawai'i Build and Buy Green + Brownfields Redevelopment + Green Workforce Development Conference and Expo, held May 24, 2011. This year is the first the three stand-alone events were brought together as one. The combined event focused on reuse of contaminated land, renewable energy, green buildings, and green workforce development. More than 400 participants and forty exhibitors attended.

One of the many benefits of the combined event is that it provided an opportunity to make connections between Brownfields redevelopment and

sustainable technologies such as renewable energy. For example, the Brownfields redevelopment track included a presentation on a solar field constructed at a former steel manufacturing site that was cleaned up with HDOH HEER Office oversight and achieved site closure with restricted use.

Brownfields properties typically make ideal sites for renewable energy projects because they provide an economically viable reuse for land with significant cleanup costs or low real estate demand. In addition, building green projects on Brownfields preserves "greenspace" by taking the stress off of undeveloped land for new construction projects and provides job opportunities. Providing real-world case studies and take-away resources such as information on funding opportunities made this event successful. Visit the HEER Office website to learn more about the conference and to download presentations.

#### **Brownfields Grants and the Brownfields Cleanup Revolving Loan Fund (BCRLF)**

Federal grant and loan opportunities can set the stage for successful redevelopment of distressed properties that would otherwise be underutilized due to the cost of investigating and cleaning up 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 and partnership support to potential applicants. Information and links to Brownfields grants and funding opportunities is located at:

<http://hawaii.gov/health/environmental/environmental/hazard/index.html> or by calling the HEER Office at 808 586-4249.

Opportunities include individual assessment and cleanup grants of up to \$200,000, grants to cities and counties for Brownfield assessments and cleanup loans through DBEDT's Revolving Loan funds of up to \$2 million.

Federal brownfields assistance had a big impact this fiscal year for Hawai'i. As a result of \$400,000 in federal grants and a \$2 million loan from DBEDT's RLF, DHHL is implementing a multi-million dollar state-approved cleanup at the East Kapolei Pesticide Mixing area, paving the way for safe development of the surrounding Department of Hawaiian Homelands native Hawaiian residential community.

The HEER Office provides ongoing assistance to applicants, grantees and local governments. In 2011, four new EPA Targeted Brownfields Assessments were awarded in Hawai'i, including the Kuhio Park Terrace public housing project on Oahu, a EPA Community Action for a Renewed Environment (CARE) grant project in Waianae, and two former sugar mill pesticide mixing and loading sites, one associated with the former Kekaha Mill on Kaua'i and one associated with the former Kohala Mill on Hawai'i Island.

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

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 pollutions and infectious diseases was further automated using multiple funding sources, including the ERRF. The Department's health surveillance system in 2007 is described 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.

#### **SAFE DRINKING WATER BRANCH ASSISTANCE TO OWNERS AND USERS OF RESIDENTIAL RAINWATER CATCHMENTS SYSTEMS**

The continuing activity at the Halema'uma'u crater has caused increased concerns over the impacts of volcanic gases and ash on rainwater catchment systems located downwind. In order to evaluate the possible impacts, SDWB has been monitoring the

raw, rainwater catchment supplies utilized by public water systems on the island of Hawai'i for specific inorganic contaminants using preliminary ash data from the United States Geological Survey. This sampling and testing has been ongoing since 2008.

The SDWB designed and implemented a rainfall survey in which rainfall jars located in three locations were monitored for inorganic contaminants.

The locations were selected to catch rainfall with heavy, moderate, and light VOG influence in order to help predict the impact of various levels of volcanic emissions on rainwater catchment systems.

#### **SOLID AND HAZARDOUS WASTE BRANCH SITES IMPROVED UNDER THE RCRA LAND REVITALIZATION PROGRAM**

##### **Former Wood Treating Operators**

Chemwood, located at Campbell Industrial Park filed for bankruptcy in the early 1990's. Use of copper, chrome, and arsenic (CCA) and pentachlorophenol resulted in soil and groundwater contamination. The site was recently purchased by Weston Solutions. Under a Consent Order with EPA, Weston agreed to clean up the property. The EPA and DOH are actively involved in overseeing the remediation of this site.

Honolulu Wood Company, an active wood treatment facility is currently undergoing a combination of a Resource Conservation and Recovery (RCRA) Subtitle C corrective action and voluntary cleanup.

##### **Underground Storage Tank Release Sites**

The Underground Storage Tank Program continues to work with the U.S. Environmental Protection Agency and responsible parties in revitalizing sites with releases from underground storage tanks.

## REPORT ON CHAPTER 128D, HRS ENVIRONMENTAL RESPONSE LAW

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### ENVIRONMENTAL RESPONSE REVOLVING FUND BUDGET AND EXPENDITURE SUMMARY FOR FIVE ENVIRONMENTAL PROGRAMS

The Chapter 128D, HRS, Environmental Response Law, annual report to the Twenty Sixth Legislature, State of Hawai'i, presents an accounting of environmental response revolving fund (ERRF) revenue and monies budgeted and expended for implementing remedial action plans. DOH HTH 840 and HTH 849 revenue, budget, and expenditure data are presented on Tables 1, 2 and 3.

This report also identifies sites eligible for remedial action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), including a statement as to any appropriation that may be necessary to pay the State's share of the plan. The sites are listed in Table 4.

#### FUND REVENUE

The "environmental response tax" established in the Fuel Tax Law, 243-3.5, HRS and 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. The oil tax revenue is one of decline. Oil tax revenue for fiscal years 2008, 2009, 2010, and 2011, were \$1,695,473, \$1,589,612, \$1,421,270, and \$1,402,836, respectively. Additional fund revenue is generated from fines, penalties, and interest that are variable amounts during any given year. Revenue to the ERRF totaled \$3,237,945.

#### FIVE ENVIRONMENTAL HEALTH PROGRAM BUDGETS

Five DOH Environmental Health Administration (EHA) programs received ERRF funding. They are the Hazardous Evaluation and Emergency Response (HEER) Office, Environmental Management Division (EMD), EMD Clean Water Branch (CWB), EMD Safe Drinking Water Branch (SDWB), and the EMD Solid and Hazardous Waste Branch (SHWB).

Budgets were appropriated/allotted to 39 positions within the Environmental Management Division (EMD) (\$1,847,784/\$1,458,518) and Hazard

Evaluation and Emergency Response (HEER) Office (\$3,228,384/\$2,150,948). The FY 2011 Legislature also appropriated ERRF monies for two temporary positions within the Clean Air Branch (CAB) to assist with the establishment of a greenhouse gas program. The positions were not filled. Executive Request "changed" the Means of Financing from Revolving to Special Funds.

#### FUND EXPENDITURE

The State expended \$2,811,864 of 3,609,466 allotted to the five HTH 849 and HTH 840 environmental programs. Each year a portion of the DOH allotment is held in reserve pending its use towards a major chemical and/or terrorist related emergency response action.

#### SPECIAL FUNDING TO COUNTY'S OIL RECYCLING PROGRAM CONTINUES

The ERRF set aside \$200,000 for the management of used oil and to educate the public on proper used oil disposal options. The funding was allocated through the HEER Office to the Solid and Hazardous Waste Branch County's Oil Recycling Program. Maui, Kauai, and Hawai'i Counties were appropriated money to operate their respective Do It Yourself (DIY) programs. Since the grant program started, Honolulu County has chosen not to apply for the grant money.

#### HAWAI'I DEPARTMENT OF HEALTH WEBSITE

Additional information about the DOH can be obtained at: <http://hawaii.gov/health/>. Specific information on the environmental program offices and branches and available documents may be located by activating the 'Health Topics' menu located at the top of the page and then the dropdown menu for 'Environmental Health'. Fact sheets and up to date information is available on HEER's website at:

<http://hawaii.gov/health/environmental/hazard/index.html>

REPORT ON CHAPTER 128D, HRS, ENVIRONMENTAL RESPONSE LAW - ENVIRONMENTAL RESPONSE REVOLVING FUND BUDGET AND EXPENDITURE FOR FIVE ENVIRONMENTAL PROGRAMS

**Table 1 DOH Environmental Response Revolving Fund Revenue – FY 2011**

<b>Revenue Source</b>	<b>HTH 840 339</b>	<b>HTH 849 342</b>	<b>Total</b>
Environmental Response Tax	-	1,402,836	1,402,836
Fees. Filing of Tier II Chemical Inventory	-	75,050	75,050
Fees, Voluntary Response Account	-	23,025	23,025
Refund and Reimbursement of Prior Period Expenditure		37,700	37,700
Circuit Court		1,125	1,125
Violations of Air Pollution Law	-	527,300	527,300
Violations of Hazardous Waste Law	-	282,002	282,002
Violations of Water Pollution Law	-	837,159	837,159
Violations of Safe Drinking Water Law	-	-	-
Violations of Community Noise Control Law	-	49,400	49,400
Other	2,347	-	2,347
<b>Total</b>	<b>2,347</b>	<b>3,235,597</b>	<b>3,237,945</b>

**Table 2 DOH Environmental Response Revolving Fund Budget and Expenditure  
HTH 840 - FY 2011**

	<b>Appropriation</b>	<b>Allotment</b>	<b>Expenditure</b>
HTH 840 339 (EMD, CWB, SDWB, SHWB)	1,847,784	1,458,518	
A Funds			1,280,440
B Funds			12,391
C Funds			-
<b>Total</b>	<b>1,847,784</b>	<b>1,458,518</b>	<b>1,292,831</b>

Positions

EMD HTH 840-FE 339	1 Information Technology Specialist V, SR 24
EMD CWB HTH 840-FG 339	1 Information Technology Specialist IV, SR 22 1 Env. Health Specialist IV, SR 22
EMD SDWB HTH 840-FH 339	1 Geologist II, SR 28 2 Geologist I, SR 24 2 Env. Engineer V, SR 26 1 Env. Engineer III, SR 22 1 Information Technology Specialist IV, SR 22 1 Env. Health Specialist IV, SR 22 3 Office Assistant III, SR 08
EMD SHWB HTH 840-FJ 339	2 Env. Engineer IV, SR 24 (SW) 4 Env. Health Specialist IV, SR 22 (3-HW, 1-LUST) 4 Env. Health Specialist III, SR 20 (1-LUST, 3-UST) 1 Office Assistant III

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**Table 3 DOH Environmental Response Revolving Fund Budget and Expenditure**

**HTH 849 - FY 2011**

	<u>Appropriation</u>	<u>Allotment</u>	<u>Expenditure</u>
HEER Office HTH 849-FD 342	3,228,384	2,150,948	
A Funds			1,076,363
B Funds			442,670
C Funds			-
<b>Total</b>	<b>3,228,384</b>	<b>2,150,948</b>	<b>1,519,033</b>

Positions

- 1 Toxicologist I, SR 26
- 1 Planner V, SR 24
- 1 Epidemiological Specialist IV, SR 22
- 2 Env. Health Specialist V, SR 24
- 6 Env. Health Specialist IV, SR 22
- 1 Env. Health Specialist III, SR 20
- 1 Secretary II, SR 14
- 1 Office Assistant III, SR 08

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**HAZARD EVALUATION AND EMERGENCY RESPONSE (HEER) OFFICE HAWAI`I STATE RESPONSE PROGRAM (HSRP)**

The Hazardous Evaluation and Emergency Response (HEER) Office serves the people of the State of Hawai`i by addressing all aspects of releases of hazardous substances including oil into the environment. Our work includes preventing, planning for, and responding to hazardous substance releases or risks of releases. This mission is accomplished 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.

**Reducing Risks to Protect the Public Using Combined ERRF, General, and Federal Cooperative Agreement Funding**

State and federal funding appropriated to HEER Office is combined to finance the mission's implementing program, the Hawai`i State Response Program (HSRP). Proportionally during FY 2011,

the appropriations from the General fund, ERRF, and the EPA and DOD cooperative agreements was 7%, 55%, and 38%, respectively.

The HEER Office continues to prioritize its operations to focus resources on major threats to human health and the environment. In FY 2011 the ERRF funded 14 of the 28 permanent HEER Office positions. Seven of the permanent staff positions remained vacant during FY 2011 due to the staff hiring freeze and FY 2010 reductions in force, retirements, and resignations.

Staff worked with property owners, the environmental community, developers, the general public, and other state and federal agencies to implement solutions for eliminating risk of chemical exposure to humans and the environment. Examples of work performed under the HSRP are listed in the following:

- Emergency response to releases of hazard substances and/or petroleum that pose an imminent danger to people or the environment.

- Non-emergency response actions on properties presumed or know to pose a risk to human health and/or the environment.
- Discovery and inspection of sites that are presumed to be contaminated with hazardous substances or petroleum.
- Identification and inspection of sites storing and using hazardous and extremely 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 rules development.

**General Funding to the HSRP**

The HEER Office General Fund budget provides for personnel costs to 4 HEER staff. During FY 2011, personnel monies were expended to two Emergency Response team State On Scene Coordinators (SOSCs) and the HEER Office Manager.

**Federal Funding to the HSRP**

Federal funds are used to enhance the state's response programs in areas such as policy and legislation development, improvements to infrastructure and operations, site assessments and clean ups, and site discovery activities. EPA federal monies provide direct support for 3.5 HEER staff and also augmented salaries for ERRF appropriated staff working on tasks approved under two EPA cooperative agreements.

The two agreements benefiting the overall Hawai'i State Response Program are the EPA State Response Program (SRP) and the EPA Preliminary

Assessment/Site Inspection (PA/SI) Cooperative Agreements. A DOD cooperative agreement under the DSMOA Program provides direct support for 4.5 HEER staff performing oversight on federal sites. Federal EPA and DOD funding sources to HEER Office and the HSRP are:

**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 of 2002 (SBLRBRA). This SRP grant provides crucial funds for capacity building and program development activities.

In 2011, EPA SRP funding allowed DOH to provide oversight of complex, high priority cleanups despite staff shortages, evaluate the risk of soil vapor associated with petroleum contaminated sites, investigate Hawai'i-specific background conditions, update our electronic Technical Guidance Manual, to enhance public awareness of hazards and safe management of contaminated properties, and to provide outreach to the regulated community and potential developers.

**EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreement:** The EPA Preliminary Assessment/Site Inspection Partnership Agreement between the State and EPA Region 9 funds state site discovery efforts combined with federal CERCLA (Superfund) evaluation of sites. Sites that are evaluated through the PA/SI system are rated to determine their eligibility for the National Priority List. Sites that are not listed become part of the state response program.

In 2011, the HEER Office used PA/SI funding to conduct rapid site screenings using a sampling of opportunity approach to 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:** HEER Office participates in two federal cleanup programs. The office performs 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 Formerly Used Defense Sites (FUDS) Program that is funded by the DSMOA.

The DSMOA program was established by the federal government 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.

#### ENVIRONMENTAL MANAGEMENT DIVISION (EMD) INFORMATION TECHNOLOGY

The ERRF funds the Environmental Management Division (EMD) Network Administrator responsible for support and maintenance of the Local Area Network/Wide Area Network (LAN/WAN) connections for the division. Responsibilities of this position include providing reliable daily backup, ensuring users have access to their data files, email, and internet connectivity, and improving and upgrading network servers and connections.

Major milestones accomplished in FY 2011 were the establishment of multiple websites to provide information to the public. The network manager upgraded the current web server and established a new web server to support the public websites. The network backup system was expanded to include an offsite backup location and new backup imaging software. A problem with the electrical panel in the EMD Server room was repaired. Technical support was also provided to various IT projects including, the HEER Time and Effort System, E-permitting, SDWIS-State, and Environmental Data Warehouse.

#### CLEAN WATER BRANCH (CWB) WATER SOURCE PROTECTIONS

The ERRF funds two Clean Water Branch (CWB) staff, an Environmental Health Specialist (EHS) IV position and an Information Technology Specialist (ITS) IV position. The EHS position insures monitoring data submitted by CWB permitted facilities meets acceptable standards for sampling, transportation, and reporting as required by DOH policies and under EPA rules. The ITS staff person performs tasks to integrate various federally required data systems, and provides technical support to the CWB staff in the areas of data recording and reporting.

During FY 2011, ERRF funding to Clean Water Branch (CWB) was utilized to improve DOH web site sewage

spills warning system features for reporting on contaminated waters and water testing results.

Also in FY 2011, separate state funding for three Conservation Specialists positions on Oahu, Kauai, and Hawai'i islands continued. Funding of \$150,000 was applied to the Hawaii Association of Conservation Districts (HACD) contract which provides CWB with technical assistance and oversight on the control of non-point source pollution resulting from activities such as agriculture, urban, commercial, and boating.

#### SAFE DRINKING WATER BRANCH (SDWB) PROTECTION OF DRINKING WATER

ERRF funding is appropriated to 11 Safe Drinking Water Branch (SDWB) staff. During FY11, due to concerns about the reduction in ERRF revenues as a result of the economic downturn, and to comply with appropriated funding, the SDWB transferred six of these positions to another revolving fund source.

At the end of FY11, ERRF supported five staff consisting of three geologists, and one office assistant that administrates the Hawaii Underground Injection Control (UIC) Program for approximately 1,200 facilities projects statewide and an environmental health specialist who is responsible for safe drinking water monitoring of public water systems.

The ERRF continues to support the certification process by funding operating costs such as neighbor island travel of Board members who represent Neighbor Island operators and suppliers, pays for membership in the Association of Board's of Certification (ABC) which provides certification examinations and grades them (two DSO and two WTPO exams annually), and supports other certification activities such as the provision of math refresher classes, and provides travel funds for staff to proctor certification examinations on the Neighbor islands.

The ERRF continues to provide operational funding to support the SDWB Information Technology Specialist who is assigned the task of preparing the SDWB for the implementation of the Safe Drinking Water Information System (SDWIS) program management system. The other major program that is supported by ERRF operating funds is the Assistance to Owners and Users of Rain-Water Catchments Systems program.

SOLID AND HAZARDOUS WASTE BRANCH  
(SHWB) WASTE MANAGEMENT PROTECTION

ERRF funding is appropriated to 11 Solid and Hazard Waste Branch (SHWB) staff. In FY 2011 one staff funded by the ERRF was on military leave. During FY 2011 ten SHWB staff focused on

- Used oil management and recycling.
- Municipal solid waste and special waste management, including beneficial use.
- Management of Leaking Underground Storage Tank (LUST) sites.
- Inspection of Underground Storage Tank (UST) facilities.
- Oversight of the County's Oil Recycling Program.

The Environmental Health Specialist (EHS) IV Hazardous Waste Permit Writer is responsible for permitting hazardous waste treatment, storage and disposal facilities, used oil transporters and processors, and provides oversight of contaminated facilities undergoing remediation. The Special Waste permitting engineer is responsible for permitting and monitoring activities over a wide range of special waste management facilities, including beneficial use.

The Solid Waste engineer is responsible for permitting and monitoring solid waste management facilities including municipal solid waste landfills. The Environmental Health Specialist (EHS) III has an active caseload of 40 LUST sites at this time and provides project oversight to all remedial efforts of his cases. The EHS IV provides team unit leadership for three other EHS III staff. The EHS IV also works on additional active LUST sites. The EHS III in the UST program conducted approximately 135 inspections

HAWAI'I SITES ELIGIBLE FOR REMEDIAL ACTION UNDER THE EPA'S CERCLA UNDER CERCLA

There are currently three sites in Hawai'i listed on EPA's CERCLA National Priority List (NPL) for cleanup. Schofield Barracks was de-listed on August 10, 2000. Costs for investigation and cleanup of the Hawai'i NPL sites are being borne by the responsible parties. The state is not obligated to contribute to cleanup or future operation and maintenance costs. Sites eligible and sites for possible listing under EPA CERCLA are presented on Table 4.

**Table 4 Hawai'i Sites Eligible for CERCLA**

List of NPL Sites - FY 2011

	<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 is a list of 1 sites initially evaluated under the EPA Preliminary Assessment/Site Inspection (PA/SI) Program that qualified for possible listing on the NPL. Through an agreement between the state and EPA oversight of these properties has been transferred to DOH.

List of Sites for Possible Listing Under EPA CERCLA - FY 2011

	<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 - Rescoring underway in 2011, using latest environmental data
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.	Kauai	Puhi	Brewer Environmental Industries-Kaumualii Highway
9.	Oahu	Honolulu	Pukoloa Wood Treating Site

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**REPORT ON CHAPTER 128E, HRS HAWAI'I EMERGENCY PLANNING AND COMMUNITY  
RIGHT-TO KNOW ACT (HEPCRA)**

**HEPCRA TIER II FILING FEES**

In compliance with Chapter 128E, HRS Hawaii Emergency Planning and Community Right to Know Act (HEPCRA), this annual report to the Twenty Sixth Legislature, State of Hawai'i, 2012 presents an accounting of Tier II fees collected during FY 2010 and distributed to the Local Emergency Planning Committees (LEPCs) on Hawai'i, Oahu, Kauai, and Maui during FY 2011. The report also presents the amount of fees projected to be collected during FY 2012.

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 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).

During FY 2011, 844 facilities filed Tier II notifications. However, not all facilities paid filing fees. Some filed notification of facility closing,

others reported a below limits qualification. Military facilities are exempt from payment.

Tier II filing fees deposited to the ERRF are distributed in the following year to the Hawaii State Emergency Response Commission (HSERC) and LEPC for operating expenditures. The amount distributed to the LEPC during any fiscal year may not exceed the amount in fees collected during the previous fiscal year. Tier II filing fees were collected and distributed as noted in the table below to the LEPCs after deductions for the HSERC operating expenses.

The amount of fees projected to be collected for fiscal year 2012 is likely to remain the same. This projection is based on the number of Tier II submittals received during FY 2010 and 2011.

**Hawai'i Revised Statute Chapter 128 Final Rules  
Adopted**

Hawaii Administrative Rules (HAR) 11-453, Hawaii Emergency Planning and Community Right to Know Act were signed by Gov. Lingle on November 10, 2010. Rules were adopted on November 5, 2010. Inspection protocols and enforcement policy are written and undergoing final review.

**HEPCRA Tier II Filing Fees Collected and Distributed**

	<u>Amount</u> <u>Collected</u>	<u>Amount</u> <u>Distributed</u>		
FY 2009	77,700	66,968		
FY 2010	76,000	67,908		
FY 2011	72,750	70,813		
FY 2012 projected	72,750			
<u>FY 2011</u>				
	<u>Funds Distributed to LEPCs</u>	<u>Number of Reporting Facilities</u>		
		<u>Public Sector</u>	<u>Military</u>	
Oahu	31,260	375		23
Hawai'i	17,002	187		2
Maui	12,545	142		2
Kauai	10,006	109		4
Total	70,813	813		31

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## REPORT ON KEY HRS 128D ENVIRONMENTAL PROGRAM ACTIVITIES

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### HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE HAWAI`I STATE RESPONSE PROGRAM AND SITE CLEANUPS IMPROVED

The HEER Office is comprised of three operating sections, each addressing an important aspect of the Hawai`i State Response Program (HSRP). The implementing sections for the program are organized as follows: 1) Emergency Preparedness and Response; 2) Site Discovery, Assessment and Remediation; and 3) Hazard Evaluation.

#### EMERGENCY PREPAREDNESS AND RESPONSE SECTION KEY ACTIONS

The HEER Office Emergency Preparedness and Response (EP&R) Section two State On-Scene Coordinators (SOSCs) are responsible for planning and preparing for, and responding to releases of a hazardous substance and/or oil that may cause immediate and substantial threat to human health or the environment. SOSCs are trained to enter hazardous atmospheres in self contained breathing apparatus (SCBA) and various types of personal protective equipment. As back-up personnel to first responder County HAZMAT teams, SOSCs are on 24-hour call.

As a member of the Pacific States/BC Oil Spill Task Force, HEER Office co-hosted the Clean Pacific Oil Spill Conference in Portland, Oregon, attended by over 500 oil companies, responders, and cleanup contractors.

Notable among the spill responses during FY 2011 are the following:

#### **Japan Earthquake and Tsunami March 11, 2011**

SOSCs relocated with emergency equipment to the DOH Emergency Operations Center (DOC). Tsunami damage was limited to small boat harbors and vessels sunk and damaged along with piers and docks. Keehi Boat Harbor on Oahu was the worst hit with 200 small boats damaged or sunk and docks broken loose. Damages were set at over \$3 million. Only minor oil sheens resulted.

#### **Oil in Valve Pit on Nimitz Highway**

On March 30, 2011, during the construction of a deceleration lane on Nimitz Highway for Lowe's Store, HEER Office received notification from Lowe's

uncovering a valve pit known as "US Army pipelines". Lowe's and Iwilei District Participating Partners (IDPP) LLC, a responsible party consortium conducted removals. Approximately 900 gallons of oil were collected. Since the two pipelines extend further, more work needs to be done. The area is part of an on-going IDPP work being overseen by the HEER Site Discovery and Remediation (SDAR) Section.



*Honokohau Tsunami Damage*



*Manele Pier Tsunami Damage*

### **Mamalahoa Highway Collision**

On February 17, 2011, an SUV crossed the center line and hit the saddle tank of the Aloha Petroleum fuel delivery truck releasing approximately 96 gallons of diesel fuel. Approximately 8 cubic yards of soil were excavated from the site.

### **Canal Black Oil Release**

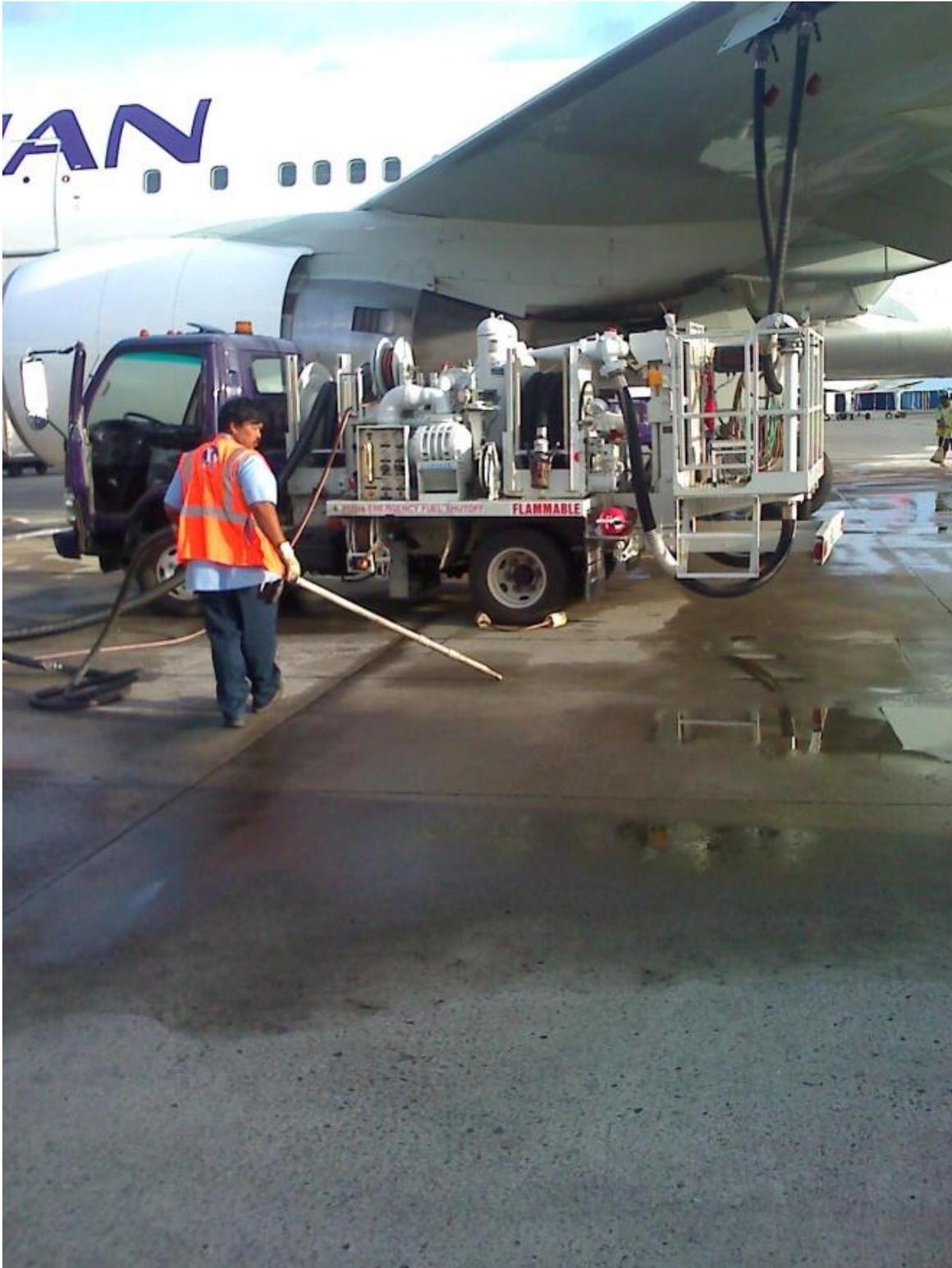
On July 29, 2010, a release of black oil onto surface waters leading into Honolulu Harbor via Piers 32 Entrance Canal to Piers 35. This release is a re-occurrence of a 2006 event occurring whenever there are heavy rains. Booms were previously in place in the open ditch at Pier 32-34, but were removed in 2009. Booms are again in place and are continually maintained and monitored by the Iwilei District Participating Partners (IDPP) LLC, a responsible party consortium. To date, the source of the oil has not been found.

### **C & F Trucking Naphtha Spill**

Approximately 9,025 gallons of naphtha were released from a tanker trailer transporting naphtha on Hamakua Belt Highway on its way to Hamakua Energy Partners. The truck and tank trailer rolled on its side, releasing its contents. Hamakua Highway along Mile Marker 28.5 in both directions was closed for several hours until impacted area in immediate threat to the health and safety of the public was excavated and air monitoring indicated that it was safe to open the road to traffic. A few days later, sampling was conducted along the site of the spill including 25 feet down a steep gulch towards the ocean. Results indicated that no further work needs to be done.



*May 2011 –Estimated 25 to 100 gallons released from the Navy Pipeline on Navy Pearl Harbor*



***Honolulu Airport HAWAIIAN Airlines Cleanup - 250 gallons of jet fuel was released due to a nozzle defect.***

## HAWAI`I STATE RESPONSE PROGRAM KEY STATE CLEANUP ACTIONS

Assessment and cleanup activities are underway within HEER Office Site Discovery, Assessment, and Remediation (SDAR) Section on 428 Hawai`i State

Response Program sites and 369 federal DSMOA Program sites. Our website has downloadable lookup spreadsheets providing updates on these sites at

<http://hawaii.gov/health/environmental/hazard/records.html> .



***A view of the Honolulu Harbor Pier 29 project site (OU1C) area improvements so heavy machinery can be used on site. Approximately 3 miles of pipelines were removed from this site along with petroleum contaminated soil.***

### **Honolulu Harbor**

The Honolulu Harbor/Iwilei District cleanup project continues to make significant progress in the cleanup of separate phase hydrocarbon (SPH) and other contamination. Notable milestones by Iwilei District Participating Partners (IDPP) include:

- Construction of a major new Drain at Pier 29 that protects harbor waters from releases of degraded petroleum from the subsurface.
- Completion of storm drains investigations throughout the Diamond Head sections of the Project Area.

- Approval of Remedial Design documents for Operating Units.
- Completion of soil gas intrusion studies for all impacted buildings within the project area.
- Completion of OU1C Institutional Controls Plan to support safe redevelopment.

The Iwilei District Participating Parties (IDPP) completed the intensive remedial investigation and remedy selection phase for their areas of responsibility in Honolulu Harbor. Work is now focusing on development of appropriate policies to ensure long-term effectiveness of the institutional controls needed to manage residual contamination.

The Institutional Control (IC) Plans establish specific restrictions on properties that have known or possible contamination.

Major federally funded harbor improvement construction is underway at Pier 29, and it has been a critical focus of the project to ensure that construction activities can proceed safely, with appropriate monitoring and management of contaminated soils to ensure protection of construction workers, nearby employees and customers and the sensitive marine ecosystem.

A Uniform Environmental Covenant Act (UECA) deed restriction was agreed upon by the land owner (DLNR) and land manager (DOT-Harbors) for OU1C to ensure safe long-term management of residual contamination through restrictions on the use of the property and safe management practices.

#### **Honolulu Harbor – Lowe’s and Army Pipeline Related Work**

During construction of the new Lowe’s store in Iwilei, a vault with two leaking pipelines was discovered in Nimitz Highway. The pipelines

matched the description of the historical Army lines that ran parallel along Nimitz Highway from Pier 39 to Piers 20-22 area. IDPP removed free product discovered in the vault, and Lowe’s removed 2,000 gallons of fuel that was still in the lines. HEER served the Army with a Letter of Interest for the release, and the FUDS program is in the process of responding, searching the Army records to understand historic use of those pipelines.

#### **Lowe’s Iwilei**

The new Lowe’s Warehouse Store held a grand opening in April 2011. Remediation of the former Conoco Phillips terminal included thermal treatment and reuse of 27,000 tons of petroleum contaminated soils thus saving much needed landfill space. Onsite and offsite improvements to the City and County storm drain have been completed. The storm drain is sealed which should prevent contamination from leaving the site and entering Honolulu Harbor. Long-term remediation includes a groundwater and soil vapor monitoring plan. A letter of completion under the Voluntary Response Program for the Lowe’s site should be issued in 2012.



***New Lowe’s store completion***

### **BHP GASCO Benzene Site, Oahu**

The final remedial selection for the highly contaminated GASCO site in the Iwilei District is expected in October, 2011. Based on the results of pilot tests conducted in 2010, and resolution of safety concerns at the site, Weston submitted a Remedial Alternative Analysis Report (RAA) recommending the use In situ Chemical Oxidation by injecting hydrogen peroxide to degrade benzene and other contaminants. The alternative includes the use of persulfate at the perimeter to minimize offsite migration of contaminants. The long term solution also includes engineering and institutional controls to ensure long term protectiveness.

HDOH accepted the chosen alternative in draft Response Action Memorandum (RAM). An open house meeting was held during the 45 day public participation period. Based on concerns of offsite migration raised by neighboring property owners the

RAM was modified to include details of monitoring and contingencies for prevention of offsite migration. Active remediation of the GASCO site should commence by the end of 2011. Over a period of 4 months approximately 1,250, 000 gallons of solution will be injected at the site and is expected to dramatically reduce the contaminant mass remaining in the soil.

### **Kilauea Pesticide Mixing Area**

In late 2010, HEER's Site Discovery program discovered old maps suggesting that a residential subdivision off of Kilauea Lighthouse Road had been established over the old Kilauea Sugar Plantation's Pesticide Mixing Area (PMA). Rapid action to sample potentially affected properties, including residential homes, showed elevated levels of arsenic, dioxins/furans, and pentachlorophenol, all related to pesticides used for weed control and sugar cane operations.



***DOH's contractor prepares for subsurface drilling in a residential neighborhood to assess pesticide contamination from a historic sugar mill pesticide mixing area.***



***Core samples showing evidence of petroleum contamination. Pesticides are not visible in soil samples, but are detected through laboratory analyses.***

HEER staff went door to door to inform neighbors, educate them about risk reduction actions and look for potential hazards. Working hand in hand with the county, the local District Health Office, and island legislators, HEER met multiple times with the affected residents, local community members and physicians to inform them of DOH's current findings, discuss health and environmental concerns, answer questions, and present an action plan. Using the ERRF, HEER has conducted extensive surface and

subsurface sampling in the neighborhood to understand where residual pesticides from the historical mixing area may still be present.

To date, data show that contamination is limited to a small area, and is not causing an immediate health hazard. SDAR scientists are currently analyzing the data to determine the alternatives to safely and effectively remediate the area without displacing its residents.

The DOH SDAR Section continues to stay in close touch with neighborhood residents and Kauai County, as their involvement has been critical for the success of this very sensitive project. Additional community meetings will be held to inform the residents of the human health concerns of arsenic exposure and the DOH's current findings.

#### **Ilio Point Molokai**

HEER Office, the U.S. Environmental Protection Agency (EPA) Emergency Response Section, and the EPA Resource Conservation and Recovery Act (RCRA) Corrective Actions Office recently collaborated to oversee an emergency action by the U.S. Coast Guard (USCG) Civil Engineering Unit. The purpose of the emergency action was to remove polychlorinated biphenyls (PCB)-contaminated debris and contaminated soil that remained from the site's historical use as a USCG LORAN Station.



***Ilio Point***

Prior to cleanup, PCB and electrical component contaminated debris and soil at Ilio Point posed a significant threat to human health and sensitive natural resources. A time-critical removal action was implemented to protect the unique and precious environmental and cultural resources at Ilio Point, a 261-acre proposed Natural Area Reserve on the remote northwestern tip of Molokai.

The project goal was to remove 100 percent of 70 cubic yards (CY) of known contamination in debris piles and the upland shoreline area. In the end, more than 130 CY of debris and contaminated soil and scrap metal were removed, including over 90 CY of PCB and electrical component debris.

Multi-incremental confirmation samples verified that concentrations of PCBs and metals were below the removal action target levels. A Removal Action Report is pending to determine whether the debris pile removal is fully protective of human health and the environment.

The success of this logistically complicated project hinged on the cooperation of multiple government agencies and stakeholders working together, as well as the planning, hard work, and expertise of local environmental consultants.



***Transformer waste debris pile requiring cleanup***



***Vacuum removal of fine fractions of transformer debris pile***



**Crews complete a successful cleanup in remote, harsh conditions at Ilio Point. All contaminated soil removed to bare rock.**

### **East Kapolei, Oahu**

“East Kapolei II” is a new, native Hawaiian community being developed by the Department of Hawaiian Homelands (DHHL) on 400 acres of former sugarcane land that will ultimately consist of 2,000 residential homes as well as educational and commercial facilities. In addition to sugarcane harvesting areas, the property also includes a small, approximately half-acre, former pesticide mixing and loading (PML) area contaminated with chemicals such as arsenic, dioxins/furans, pentachlorophenol, and triazine pesticides (ametryn, atrazine, simazine, and trifluralin). The investigation, cleanup, and management of contamination at the site are being overseen by the HDOH HEER Office to ensure human health and the environment is protected. A large portion of the cleanup is funded by Brownfields grants and loans, and the community has been very involved in contributing ideas to help the HEER Office and DHHL select protective uses for the PML

Site that would benefit the neighborhood. The PML Site will be capped to prevent future exposure to contaminants in the soil and no residential units will be located on the PML Site itself. The approved alternative for remediation of the East Kapolei Former Pesticide and Mixing area includes engineering controls (capping contaminated soil) and institutional controls (UECA covenant) to ensure long term success of the chosen alternative. A Remedial Action Work Plan for the site has been approved by HDOH but as yet has not been implemented by DHHL. Visit <http://hawaii.gov/dhhl/publications/east-kapolei-ii-pesticide-mixing-and-loading-site/> for more information on this project.

### **Key Department of Defense (DOD) Cleanup Milestones**

The HEER Office oversees all non-petroleum related investigations and cleanups performed by the Department of Defense (DOD) under CERCLA via the

Department of Defense Environmental Restoration Program (DERP). Petroleum related DOD investigations are regulated by HRS 128D. There are currently 369 open DOD sites throughout Hawai'i under HEER Office oversight. These are shown on the Department of Defense List of Priority Sites at the end of this document.

Record of Decision (ROD) documents are major milestones in the cleanup process. They indicate that a remedy has been agreed to and will be implemented within eighteen months of signature. 53 decision documents at military installations were completed this past year. Of these, remedial activities were completed at 48 sites and 5 final cleanup decisions were made. In addition to these activities, 333 assessments, investigations or cleanup activities are ongoing at individual sites on major installations across Hawai'i.

#### **Department of Defense Environmental Restoration Program (DERP)**

The Department of Defense Environmental Restoration Program (DERP) is integral to protecting human health and the environment. In 1986, the Department of Defense (DoD) established the DERP to investigate, and control the migration of hazardous contaminants at military and other DoD facilities. The Navy, Air Force, Army and Marine installations in Hawai'i have contaminated soil, groundwater and/or sediment due to historical operations. Contaminants that have been found released to the environment or are currently being investigated include petroleum hydrocarbons, metals, volatile organic compounds, semi-volatile organic compounds, pesticides, polycyclic aromatic hydrocarbons, and polychlorinated biphenyls (PCBs).

The HEER Office oversees the environmental investigations and cleanups of all DERP sites in Hawai'i.

#### **The Air Force Environmental Restoration Program**

The Air Force has been actively investigating and cleaning up contaminated properties at their Hawai'i installations since 1984. In 2010, they completed investigation and remedy selection at all high priority sites, and have active cleanup underway wherever appropriate. 2011 saw extensive focus on investigation and remediation of leaking historic pipelines and unregulated underground storage tanks (USTs). The Hickam UST program has addressed over 500 Petroleum, Oil, Lubricant (POL)

features over the past decade and anticipates closing these sites by 2014. The Hickam POL pipeline is a separate "installation" and extends from Waikakalaua on Schofield through Waipio, travels down Kamehameha Highway, and terminates at Joint Base Hickam. The Kipapa Fuel Storage Annex, which is connected to the Hickam POL pipeline is headed for a Record of Decision in 2012. As a result of the BRAC joint basing decision to combine Hickam Air Force Base and the Pearl Harbor Naval Complex, ongoing remedial work at Hickam is being conducted by the Navy. Bellows Air Force Station is currently managed by Kadena Air Force Base in Japan. Kaena Point Satellite Tracking Station and Kaala Air Force Station are still under the purview of the Air Force.

#### **The Army Environmental Restoration Program**

The Army continues to perform Installation Restoration Program (IRP) activities at its installations throughout the State. The Directorate of Public Works is responsible for carrying out IRP activities and has cleaned up the majority of its IRP-eligible sites. Schofield Barracks, a former NPL site, was de-listed in 2000. The majority of work that occurs now is at Military Munitions Response Program (MMRP) Sites on most of the major installations State-wide (Schofield Barracks, Wheeler Army Air Field, Pohakuloa Training Area, & Fort Shafter). Site inspections were conducted at each of these installations in 2007 and several sites have moved on to Remedial Investigations. The target date for completion of restoration activities at the MMRP sites is 2014. The Army has also conducted an underwater ordnance removal study out at Ordnance Reef, which is near the Waianae sewage outfall area. Results of the study are anticipated to be released in early 2012.

#### **Department of the Navy Environmental Restoration Program**

The Department of the Navy's (DON) Environmental Restoration Program (ERP) is actively cleaning up past contamination and majority of the DON's installation restoration sites are "response complete" or have long-term remedies in place. All others are on track for completion by 2014.

Past DoD munitions-related activities have resulted, to some degree, in the presence of unexploded ordnance (UXO), discarded military munitions (DMM), and munitions constituents (MC) at many active and former military installations. The Military Munitions Response Program (MMRP), a relatively

new (2002) element in the ERP, addresses the potential explosives safety, health, and environmental issues caused by past DoD munitions-related activities. The program addresses the potential explosives safety hazards presented by munitions and explosives of concern (MEC), which include UXO, DMM, and MC concentrations high enough to pose an explosive hazard and potential environmental contamination. Munitions responses are response actions, including investigation, removal actions, and remedial actions that address the explosives safety, human health, or environmental risks presented by unexploded ordnance or residual chemical contaminants from munitions.

The DON sites in Hawai'i include the following installations: Pearl Harbor Naval Complex, Naval Computer and Telecommunications Area Master Station Pacific, Kaneohe Bay Marine Corps Base Hawaii, Former Barbers Point Naval Air Station, Pacific Missile Range Facility. The first two installations on the list are on the United States Environmental Protection Agency's (USEPA) National Priorities List (NPL). The NPL identifies priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories.

#### **Pearl Harbor Naval Complex**

The Pearl Harbor Naval Complex (PHNC) was included in the NPL on October 14, 1992. The Federal Facilities Agreement (FFA) was signed by the USEPA, HDOH, and the DON in March 1994, and was effective as of June 10, 1994. The PHNC, located on Oahu, encompasses approximately 12,600 acres of land and water. The PHNC is not a government entity but a geographic area, and consists of Pearl Harbor Naval Shipyard; Fleet and Industrial Supply Center; Naval Station Pearl Harbor; Submarine Base Pearl Harbor; Navy Public Works Center; Naval Sea Systems Command Detachment, Naval Inactive Ship Maintenance Facility, Pearl Harbor; Naval Magazine Lualualei (West Loch Branch and Waipio Peninsula), and includes Aiea, Manana, Red Hill, Ewa Junction, Pearl City Junction, Pearl City Peninsula and Pearl Harbor.

Examples of investigations/remedial activities conducted include Pearl Harbor sediments, a former landfill, subsurface fuel releases in the tank farms, chlorinated solvents (in subsurface soil and groundwater) from a former dry cleaning facility,

metals and pesticides in soil in a former pesticide rinsate pit, metals in a former foundry building, and PCBs in soil and/or concrete pads in transformer sites.

#### **Naval Computer and Telecommunications Area Master Station Pacific**

The Naval Computer and Telecommunications Area Master Station Pacific (NCTAMS PAC) was included in the NPL on May 31, 1994. The FFA was signed January 29, 2009. NCTAMS PAC is an active military installation on Oahu whose mission is to provide operational direction and management to all Naval Telecommunications System assets in the Commander, NCTAMS PAC area of responsibility and provides a full range of automated data processing and information resources services to the Navy and other DOD activities in the Pacific.

NCTAMS PAC is comprised of two main facilities: 1) NCTAMS PAC Wahiawa – the main station and receiver site (700 acres of land), and 2) Naval Radio Transmitter Facility (NRTF) Lualualei – the transmitting site (1,700 acres of land). Examples of investigations/remedial activities conducted include hazardous waste disposal areas along steep gulches, PCBs in soil and/or concrete pads in transformer sites, an old incinerator site, sewage ponds, and landfills.

#### **Marine Corp Base Hawaii**

The Marine Corps Base Hawaii (MCBH) is a U.S. Marine Corps base facility and air station located on 2,951 acres on the Mokapu Peninsula of windward Oahu. On January 15, 1952 Marine Corps Air Station Kaneohe Bay was commissioned. On 15 April 1994, the Marine Corps consolidated all of its installations in Hawai'i to form a new command, the Marine Corps Base Hawaii, headquartered at MCBH Kaneohe Bay. MCBH, Kaneohe Bay is home to Marines, Sailors, their family members, and civilian employees. The US Marine Corps operates a 7,800-foot runway at the base.

Examples of investigations/remedial activities conducted include a former fire fighting training area, a former solvent disposal area, a former landfill, above ground storage tanks, former small arms and malfunction range, former moving target range, former skeet/trap range, former hand grenade range (combat), and former hand grenade range (practice).

### **Former Barbers Point Naval Air Station**

The Former Barbers Point Naval Air Station, on Oahu, was commissioned on April 15, 1942 and its primary mission in 1945 was to maintain and operate a base for Naval aircraft and aviation personnel, providing facilities for operation, berthing, supply, servicing, overhaul, storage and repair of aircraft, and for the quartering, messing and training of personnel. It was decommissioned by Base Realignment and Closure (BRAC) action in 1998 and turned over to the State of Hawai'i for use as Kalaeloa Airport. Examples of investigations/remedial activities conducted include a former drum crushing area, sandblast grit stockpiles, consolidation unit and monofill area, revetments area, and PCBs in soil in a former electrical substation.

### **Pacific Missile Range Facility**

The Pacific Missile Range Facility (PMRF) is a U.S. Naval facility and airport located on Kauai. PMRF is the world's largest instrumented, multi-dimensional testing and training missile range. It is the only range in the world where submarines, surface ships, aircraft and space vehicles can operate and be tracked simultaneously. There are over 1,100 square miles of instrumented underwater range and over 42,000 square miles of controlled airspace. The base itself covers roughly 2,385 acres. The base includes a 6,000-foot runway with operations and maintenance facilities. It has roughly 70 housing units and various recreational facilities for those who can access the base. Examples of investigations/remedial activities conducted include a former oil and fuel pipeline, a former defueling pit, PCBs in soil and/or concrete pads in transformer sites, a former small arms firing range.

### **The Formerly Used Defense Site (FUDS) Program**

The FUDS Program was created specifically to address "historic release" sites that were transferred out of DoD ownership prior to October 17, 1986. The Army Corps of Engineers is responsible for carrying out restoration activities at FUDS nationwide. The Hawaii FUDS State Management Action Plan (SMAP) is updated annually to help prioritize FUDS work on the islands. The majority of sites handles under the FUDS Program are MMRP sites. Unlike the other programs, FUDS uses No DoD Action Indicated (NDAI) designations instead of No Further Action (NFA). The reason for this is that the program is not allowed to access properties they do

not acquire a Right-Of-Entry to. Should access be denied, an NDAI will be assigned to the site until access is granted or the current owner assumes liability. NDAIs are also given to sites where remediation activities are complete. The three major sites of interest currently being addressed are following:

### **Waikoloa Maneuver Area (Hawai'i)**

Waikoloa Maneuver Area is a 50-year, \$10 million-a-year remediation that covers approximately 120,000 acres of land near Kohala and Kona. Hapuna Beach was prioritized due to high tourist traffic in the area. Pu'u Pa'a was removed from the FUDS program and is currently being addressed by the Army MMRP Program.

### **Waikane Training Area (Oahu)**

Waikane Training Area is located in Waikane Valley and was used by the Marine Corps during World War II. The munition most commonly used in the area was the 2.36" High Explosive (HE) Anti-Tank (AT) rocket. This site is unique in that the training area is being addressed concurrently by both the FUDS Program and the Marine Corp via the Navy MMRP. Feasibility Studies from both parties are anticipated to be reviewed and completed by January 2012.

### **Kanahena Point aka Ahihi Kinau (Maui)**

Kanahena Point was a former bombing target just south of Wailea and is located directly on the Ahihi Kinau Natural Area Reserve. 155mm and 105mm sized shells have been found on the Area Reserve by DLNR personnel. The site is currently in the remedial investigation stage.

### **Oversight of Military Housing Redevelopment Projects**

From the 1940s to the 1980s, organochlorine pesticides such as chlordane, dieldrin, and aldrin were routinely applied to soil beneath building foundations to prevent termite infestations. These pesticides are toxic and highly persistent in the environment; however, once applied, these pesticides bind tightly to soil particles and become immobile. If pesticide-impacted soils (PI soils) are left undisturbed, they pose minimal public health threats. In 2006, recognizing that military housing renovation projects could cause significant PI soil disturbances, HDOH worked with DoD's housing developers to develop approaches for proper PI soil management for their projects.

The HEER Office is tracking 125 neighborhood redevelopment projects, in various stages of planning, construction, and occupancy.

HEER has prioritized these sites to provide close regulatory oversight in cases to identify and safely manage areas where concentrations of pesticides in exposed soils could pose a hazard to residents. Because HEER is providing direct oversight to the private venture partners under HRS 128D, these sites are shown in the Hawai'i State Response Program List of Priority Sites, rather than on the Department of Defense Program List in the back of this document.

#### **Pesticide-impacted soil cleanup at Hickam Communities military housing**

In late 2008, high pesticide levels were found in surface soils of a newly-renovated but not yet occupied Air Force housing neighborhood at Joint Base Pearl Harbor-Hickam (JBPHH). After extended negotiations with Hickam Communities LLC (HC), the Air Force's housing developer, investigations in 2010 revealed pesticides in surface soils of additional recently-renovated neighborhoods that had already been occupied. The presence of these PI surface soils posed a public health hazard to residents. In order to immediately address short-term public health concerns, HDOH ordered HC to remove PI surface soils from the most heavily-impacted areas of the affected neighborhoods.

In February 2011, HC signed a *Voluntary Agreement for Environmental Response Actions*, formally agreeing to fully respond to the health and environmental impacts caused by its improper PI soil management actions. HC's conducted three short-term removal actions to protect residents, and is currently completing a detailed remedial investigation for comprehensive long-term management of the environmental hazards posed by the remaining PI soils left in place beneath buildings, roads, and protective soil caps on site. DOH expects to go to public comment on the final remedial decision in late 2012.

#### **HAWAI'I STATE RESPONSE PROGRAM PROGRAMMATIC ACCOMPLISHMENTS**

##### **Cost Recovery**

HRS 128D provides legal authority to cost recover for DOH oversight of remedial activities at contaminated sites in Hawai'i. During FY 2011, DOH received

\$149,708 for oversight expenses for the Honolulu Harbor, Hickam Community Housing, and GASCO cleanup sites in accordance with the terms of their respective Agreements for Remedial Action.

##### **Voluntary Response Program**

The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties. Under 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, 31 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 21 LOCs for 19 sites, closed one site with an NFA determination without liability relief, and seen three sites withdraw from the program.

Today, there are a total of 9 active VRP sites in the program, including three new sites that entered the program this fiscal year and three sites that have completed all remedial actions and are expected to receive LOCs within the next few months.

Responsible parties with sites participating in the VRP are paying the State for DOH oversight of their remedial activities. In FY 2011, the VRP program recovered or invoiced a total of \$32,844 in program costs from responsible parties.

##### **Site Discovery and Sampling of Opportunity**

One of the priorities of Site Discovery is identifying hazards associated with historically-used industrial areas. As part of this goal, the Sampling of Opportunity project identifies sites affected by Hawai'i's longstanding agricultural industry.

The environmental effects of sugar and pineapple operations include soil and groundwater contamination with pesticides and herbicides. High levels of contamination are typically associated with areas where these hazardous materials were prepared, stored, or disposed of. It is critical that the DOH be aware of contaminated areas as former agricultural fields undergo changes in land use and ownership. New potential Sampling of Opportunity sites are identified based on historical references

such as maps, and local information. The site is assessed in a field visit and, if an area of likely contamination is discovered, data is collected using HEER Office sampling protocol. This field data is

used as decision support for site remediation activities (outside the scope of the Sampling of Opportunity project).



*Site Discovery sampling at former sugar plantation pesticide mixing area*

#### ECOLOGICAL AND HUMAN HEALTH RISK KEY ACTIVITIES

HEER Office Hazard Evaluation 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 FY 2011, 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, arsenic), pesticides, indoor and outdoor air pollutants and illnesses potentially related to the environment.

Using ERRF funding, the HEER Office continued its actions to electronically acquire, manage, and analyze environmental surveillance data received from physicians and laboratories.

The Department's health surveillance system in 2007 is described at <http://hawaii.gov/health/about/legrpts2007/> in a report under HCR 76, HD 1, 2006.

##### **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 DOH Hazard Evaluation and Emergency Response (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 on Hawai'i 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. Education materials have been provided to all physicians testing women of childbearing age for mercury.

#### **Childhood Blood Lead Levels**

HEER began tracking children with elevated blood levels exceeding 10 ug/dl in September 2007. Upon family request, children with blood lead levels exceeding 10 ug/dl were referred to the Indoor and Radiological Health Branch where their home environment was evaluated. Tests performed between July 1, 2010 and June 30, 2011 showed 24 children out of 6,565 children tested had blood lead levels exceeding 10 ug/dl. HEER is coordinating with other branches within the DOH to ensure that the children with elevated lead levels get appropriate resources.

#### **Adult Blood Lead Epidemiology and Surveillance Reporting**

Blood tests from 2,812 adults were reported to HEER from July 1, 2010 to June 30, 2011. Two individuals exceeded a blood lead level of 25 ug/dl while 13 exceeded 10 ug/dl. These results are reported to the National Institute of Occupational Safety and Health as part of the Adult Blood Lead Epidemiology

and Surveillance Reporting grant. Compared to other states, Hawai'i has very few cases of elevated blood lead levels in adults.

#### **Other Hazard Evaluation Activities**

**Nanakuli Dust Assessment:** At a public meeting held in September, 2010, the DOH received complaints about excessive dust in the air within the Nanakuli and Lualualei neighborhoods. In a collaborative project involving the toxicologist from the HEER Office, and staff from the Clean Air Branch, Environmental Planning Office and the Solid and Hazardous Waste Branch, DOH is responding to the concerns of the community DOH hired Tetra Tech Inc to evaluate dust sources from the businesses in the area, including heavy truck traffic patterns located along Lualualei Naval Road as well as natural sources from the mountains and coastal area. Questionnaires and photo documentation of visible dust received from the community are also being evaluated. The report detailing the findings of the dust survey is expected in November 2011.

**Kilauea Pesticide Mixing Area** A hazard evaluation toxicologist and Dr. Al Bronstein from the Rocky Mountain Poison Control Center had an information session with medical professionals from the Kilauea area to discuss arsenic screening and testing information. The exposure pathways and potential health risks from being exposed to arsenic and dioxin in the soil were discussed with the physicians. The physicians attending the information session reported seeing no patients with illnesses attributable to arsenic exposure.

### **PROTECTION OF PUBLIC HEALTH AND DRINKING WATER QUALITY IMPROVED UNDER SAFE DRINKING WATER BRANCH PROGRAMS**

During FY 2011, SDWB focused ERRF funding and ERRF funded personnel on the following major activities to protect public health and drinking water quality.

- Continued the migration of both State and County drinking water chemical testing data into the Safe Drinking Water Information System/State database.
- During FY 2011, public water systems demonstrated compliance with the 90<sup>th</sup> percentile Lead and Copper action levels at consumers' taps.
- Completed 33 sanitary surveys of public water systems throughout the State.
- Prepared a contract to conduct the sanitary surveys of the North and South Kona water systems, which are the two extensive public water systems located on the Big Island.
- Continued to administer a multi-year contract to continue Circuit Rider water system training and technical assistance for public water systems with the Rural Community Assistance Corporation (RCAC).

#### LEAD AND COPPER RULE ADMINISTRATION

Drinking water is one avenue of exposure to lead. The Lead and Copper Rule is intended to minimize the exposure through mode of exposure. In Hawai'i, public water systems have been able to demonstrate good compliance with this rule which sets a 0.015 mg/l action level for lead content under conditions prescribed by the rule. The conditions that are required are first flush sampling from a tap known to contain lead or copper in its piping.

#### SAFE DRINKING WATER INFORMATION SYSTEM (SDWIS/STATE)

The Safe Drinking Water Branch continues to utilize the web base applications, SDWIS/State 2.0 and FedRep 3.0, for the direct exchange of EPA and state data. The Safe Drinking Water Information System was designed for the U.S. Environmental Protection Agency as a program management as well as data management tool for use by agencies involved in administering Safe Drinking Water Act requirements. States are free to utilize as much or as little of SDWIS as they feel appropriate.

The implementation of the Total Coliform Rule portion of SDWIS/State has transitioned smoothly with neighbor island and Oahu staff entering the water system microbiological data.

Also during FY 2011, SDWIS Lab-to-State and XML Sampling were installed and implemented, enabling the migration of Total Coliform Rule data from the Department of Health, State Laboratories Division, and County water department laboratories, moving towards the ultimate goal of consolidating drinking water quality information into a single database.

#### DEVELOPMENT AND MAINTENANCE OF DISINFECTANT/DISINFECTION BY-PRODUCTS RULES AND ENHANCED SURFACE WATER TREATMENT RULES

The Disinfectant/Disinfection By-Products and the Enhanced Surface Water Treatment suite of rules currently work together to increase public health protection by increasing protection from exposure to the targeted microbes, Giardia and Cryptosporidium, in drinking water, while assuring that the disinfectant and potentially resulting disinfection by-product levels in the water are kept at safe levels. Currently the first stages of both these regulations are in force with a more stringent stage 2 version scheduled to take effect in 2012.

#### PROTECTION OF EXISTING AND POTENTIAL UNDERGROUND SOURCES OF DRINKING WATER (HAWAII UNDERGROUND INJECTION CONTROL PROGRAM)

The Underground Injection Control (UIC) Program administers an environmental regulatory permit on facilities that use injection wells for the subsurface disposal of waste fluids. In doing so, SDWB protects existing and potential underground sources of drinking water by assuring that the facilities have proper separation from drinking water wells and that only waste fluids that meet specified discharge standards are injected.

Injection wells serve to provide an alternative for disposal of liquid wastes which do not have access to an ocean outfall. In addition to regulating the construction and operation of injection wells, the UIC program controls the proper closure of injection wells to prevent the unwanted injection wells from becoming potential subsurface conduits that could later cause or spread groundwater contamination.

#### CERTIFICATION OF PUBLIC WATER SYSTEM OPERATORS

Drinking water is protected through the Certification of Public Water System Operators program. The program was established to ensure that staff operating the public water systems has sufficient training to do their duties properly.

Chapter 340F of the Hawaii Revised Statutes requires all public water systems to have operators certified at the appropriate level to operate either water treatment plants or distribution systems. If a system has both, they must have certified operators in both categories. Hawai'i's program consists of a five-member Board of Certification, appointed by the Governor, which meets quarterly to set policy, act on all applications for certification, assign continuing education units to training events, and more.

At the end of FY 2011, the program had 203 certified water treatment plant operators and 509 certified distribution system operators (DSO). Some operators maintain dual certifications. All public water systems in the state had at least one DSO at the proper level.

#### ASSISTANCE TO OWNERS AND USERS OF RAINWATER CATCHMENTS SYSTEMS

During FY 2011, the Safe Drinking Water Branch (SDWB) continued to respond to inquiries by individuals using rainwater catchments systems on a wide variety of subjects. Many individuals had questions concerning the maintenance of their systems. Some did not have any experience at all with rainwater catchments. Others called to report results of testing that they had done to determine whether or not additional remedial actions were required, or to determine what range of actions were available or made sense.

In light of the continued demand for information by individuals dependent upon rainwater catchment systems, the Safe Drinking Water Branch also funded the fourth printing (10,000 copies) of the "Guidelines on Rainwater Catchment Systems for Hawai'i," written by Patricia Macomber, College of Tropical Agriculture and Human Resources. Since it was first published in 2001, more than 30,000 copies of this document have been distributed to the public. Besides funding the printing of this document, Safe Drinking Water Branch engineers reviewed drafts and provided comments which were incorporated into the original document.

The activity at the Halema'uma'u crater has caused increased concerns over the impacts of volcanic gases and ash on rainwater catchment systems

located downwind. In order to evaluate the possible impacts, SDWB has been monitoring the raw, rainwater catchment supplies utilized by public water systems on the island of Hawai'i for specific inorganic contaminants. So far, the results appear to be consistent with the unofficial ash analyses performed by the United States Geological Survey, with low levels of cadmium and aluminum detected in the rainwater.

In order to further our knowledge about the impact of volcanic emissions on rainwater, the SDWB designed and implemented a program to collect monthly samples of rainwater at three locations on the Big Island. Samples of rain were caught in specially designed "rainfall jars" in order to measure the quality of the rainwater for specific inorganic contaminants, as it would be received by rainwater catchment systems.

Three sites for these rainfall jars were selected based on the severity of the VOG impact during normal wind conditions. These locations were fire stations at Hawaiian Oceanview Estates (HOVE), Kilauea Military Camp (KMC), and Laupahoehoe. To date, aluminum and cadmium have been found consistently in the most directly affected sites in the rainfall jar study (HOVE and KMC). These are very similar to the findings of the study of volcanic emissions impact on public water systems.

### **SOLID AND HAZARDOUS WASTE BRANCH SITES IMPROVED UNDER THE RCRA LAND REVITALIZATION PROGRAM**

The Solid and Hazardous Waste Branch (SHWB) provides oversight of contaminated facilities undergoing remediation and ongoing ground water monitoring (Chevron Refinery, Tesoro Refinery, Hawai'ian Western Steel, Honolulu Wood Treating and Chemwood). The Department receives approximately 6-7 new applications annually for used oil transporters and processors. Renewal of expiring permits used oil permits is ongoing. Non-permitted used oil handlers are usually identified through complaints and during hazardous waste inspections.

#### RESEARCH AND DEVELOPMENT PERMIT TO THE US ARMY

The Hazardous Waste Section issued a one year Research and Development Permit to the US Army

to treat unexploded ordnances at Ordnance Reef in Waianae. Also issued was a hazardous waste permit for Pearl Harbor Naval Shipyard to store hazardous waste mixed with low level radioactive waste. The existing DRMO/Navy Conforming Storage Facility permit for long term storage of hazardous waste is currently under review for another 5 year renewal.

#### SPECIAL WASTE AND SOLID WASTE MANAGEMENT

SHWB staff is responsible for permitting and monitoring activities over a wide range of special waste and solid waste management facilities including municipal solid waste, construction/demolition and special waste landfills, waste to energy plants, transfer stations, recycling and salvage facilities, petroleum contaminated soil (PCS) remediation facilities, composting operations

and special waste treatment facilities. The two permitting engineers funded by the ERRF are two of four engineers that oversee about 300 permitted solid waste management facilities, and provide technical support to other potential waste management businesses.

#### MANAGEMENT OF LEAKING UNDERGROUND STORAGE TANK SITES

The SHWB total number of active Leaking Underground Storage Tank (LUST) sites is 180. The Environmental Health Specialist (EHS) III has an active caseload of 40 LUST sites at this time and provides project oversight to all remedial efforts of his cases. The EHS IV provides team unit leadership for three other EHS III staff. The EHS IV also works on additional active LUST sites.

#### OVERSIGHT OF COUNTY'S OIL RECYCLING PROGRAM

The public is very much aware of the environmental issues and the Department continues to receive and respond to used oil complaints and illegal dumping on all islands. SHWB has gives used oil grant funding to Hawai'i, Maui, and Kauai Counties to manage used oil collection and recycling programs from Do-It-Yourselfers or householders. The Hazardous Waste Section has received and responded to approximately 30 used oil related complaints this calendar year.

#### INSPECTION OF UNDERGROUND STORAGE TANK FACILITIES

SHWB staff conducted 135 operational inspections at UST facilities and issue field citations as necessary. These inspections include review of release detection records, documents demonstrating evidence of financial responsibility, and spill and overfill prevention equipment and corrosion protection standards. The goal of these inspections is to prevent releases of petroleum and hazardous substances from UST systems and to minimize the volume of release if one does occur.

Assistance is provided to consultants and contractors who request and review UST facilities files. Timely review of facility files assists the banking, real estate, and petroleum industry to complete transactions involving the sale or return of properties that were affected by petroleum releases.

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## 128D HAWAI'I STATE RESPONSE PROGRAM SITE LISTS

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### THE DOH HAWAI'I STATE RESPONSE PROGRAM LIST AND DEPARTMENT OF DEFENSE PROGRAM 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.

The **Hawai'i State Response Program List of Priority Sites** presents all non-military Hawai'i 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. 428 active sites under direct DOH oversight in the various State programs are listed. The number of active sites listed has remained constant recently, 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. Over the past three fiscal years, for example, a total of 135 state sites have had No Further Action Determinations and 122 new sites have been added.

The **Department of Defense Program List of Priority Sites** presents military sites in Hawai'i for which SDAR provides oversight. Hazardous substance response actions are managed by various DOD branches under CERCLA authorities, with regulatory oversight from SDAR. These sites include numerous high priority unexploded ordnance sites (UXO). Investigations and cleanups of petroleum contaminated sites are conducted under 128D authorities. The ERRF does not provide adequate funding for oversight of military cleanups in Hawai'i. State funding is currently supplemented by federal DSMOA grants. 369 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities are listed. The number of military sites listed continues to drop annually as cleanup activities are completed, and few new sites are added due to prioritized identification of DSMOA sites in previous fiscal years. 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 2011,

clean up decisions were reached at 53 DSMOA sites, with remedy completion at 48 sites.

Together, the **Hawai'i State Response Program List of Priority Sites** and **Department of Defense Program List of Priority Sites** show 797 sites with potential or known hazardous substance or petroleum contamination. In FY 2011, 78 sites were determined to require No Further Action (NFA). 36 of the sites receiving NFA determinations during FY 2011 require ongoing management of residual contamination through Environmental Hazard Management Plans. These sites will be monitored by DOH for compliance. HEER Office Remedial Project Managers (RPMs) continue oversight on 265 medium and high priority assessment and response actions. Because of staffing limitations this fiscal year, oversight of 458 low priority sites has slowed, lessening the number of these sites returned to economic reuse compared with previous years.

Response Program Activity Summary data presented in this section for the Hawai'i State Response Program (SRP) includes all Hawai'i sites identified for non-emergency response actions during FY 2011 and sites requiring evaluation if an assessment or response action is required under HEER Office authority. Sites are managed within the Hazard Evaluation and Emergency Response (HEER) Office under five program areas depending upon eligibility, funding, and level of responsible party participation as:

1. State Sites
2. Hawai'i Brownfields Revitalization Sites (Brownfields)
3. Hawai'i Voluntary Response Program (VRP) Sites
4. EPA Preliminary Assessment/Site Inspection (PA/SI) Sites
5. DSMOA Department of Defense Sites

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

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 Hawai'i 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).

#### FY 2011 Response Program Activity Summary

Number of Sites	Program Category	Program Action	Site Status			
			High Priority	Medium Priority	Low Priority	Remedy Complete
370	State	Assessment	3	12	168	6
		Response	23	61	81	16
17	Brownfields	Assessment	-	2	6	2
		Response	2	4	2	-
8	VRP	Assessment	2	-	-	-
		Response	2	3	-	1
33	EPA PA/SI	Assessment	1	7	6	2
		Response	1	11	1	4
369	DSMOA	Assessment	17	83	174	14
		Response	9	16	19	34
		Remedy Selected *	1	4	0	0
797	Totals		61	203	455	78

\*Remedy selection is an important milestone prior to remedy completion at CERCLA sites.

HAWAI'I STATE RESPONSE PROGRAM LIST OF PRIORITY SITES

<b>Hawai'i State Response Program List of Priority Sites</b>								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>
1	Hawaii	Hakalau	Hakalau Sugar Plantation	High	Response	Hazard Present	Ongoing	State
2	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing	State
3	Hawaii	Hamakua	Agent Orange Application	Low	Assessment	Hazard Undetermined	Ongoing	State
4	Hawaii	Hilo	Big Island Asphalt Co Inc	Medium	Response	Hazard Present	Ongoing	State
5	Hawaii	Hilo	Equilon Enterprises LLC - Hilo Terminal (Shell Oil Co)	Low	Response	Hazard Present	Ongoing	State
6	Hawaii	Hilo	Kawailani Central Office	Medium	Assessment	Hazard Undetermined	Ongoing	State
7	Hawaii	Hilo	Hatada Bakery (Former)	Low	Response	Hazard Managed With Institutional Controls	Inactive	State
8	Hawaii	Hilo	Hawaii Pest Control	High	Response	Hazard Present	Ongoing	State
9	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing	State
10	Hawaii	Hilo	Hilo Rubbish Dump	Low	Assessment	Hazard Undetermined	Inactive	Brownfields
11	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed With Institutional Controls	Ongoing	State
12	Hawaii	Hilo	Hilo Safeway/Target	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
13	Hawaii	Hilo	Hilo Terminal 666 Kalaniana'ole Avenue	Medium	Response	Hazard Present	Ongoing	State
14	Hawaii	Hilo	Highway 19, Mile Marker 28.5	Low	Assessment	Hazard Undetermined	Ongoing	State
15	Hawaii	Hilo	Kanoiehewa Industrial Warehouse	Low	Assessment	Hazard Undetermined	Inactive	Brownfields Site
16	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
17	Hawaii	Hilo	Larry's Waiakea Chevron	Medium	Response	Hazard Present	Ongoing	State
18	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed Dipping Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
19	Hawaii	Hilo	Mauna Kea Sugar - Kaiwiki Airstrip	NFA	Assessment	No Hazard	NFA	Site Discovery
20	Hawaii	Hilo	Mauna Kea Sugar Company - Hilo Sugar Pesticide Mixing Area	High	Response	Hazard Present	Ongoing	State
21	Hawaii	Hilo	Aloha Petroleum Hilo Bulk Plant	Medium	Response	Hazard Undetermined	Ongoing	State
22	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal	Low	Response	Hazard Present	Ongoing	State

HAWAI'I STATE RESPONSE PROGRAM LIST OF PRIORITY SITES

<u>Hawai'i State Response Program List of Priority Sites</u>								
<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>	
		Department - 607 Kalaniana'ole						
23	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond	High	Response	Hazard Present	Ongoing	State
24	Hawaii	Honokaa	Hamakua Sugar Company Inc - Kawela Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing	Site Discovery
25	Hawaii	Honokaa	Honokaa Wastewater Treatment Plant	Low	Assessment	Hazard Present	Ongoing	State
26	Hawaii	Kailua-Kona	Hawaii Petroleum- Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing	State
27	Hawaii	Kailua-Kona	Honokohau Industrial Park-Lower Boat Park Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
28	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive	State
29	Hawaii	Kamuela	Waimea Quarry	Low	Response	Hazard Undetermined	Ongoing	State
30	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing	State
31	Hawaii	Kawaihae	TOSCO Corporation-Kawaihae Terminal #0317	Low	Assessment	Hazard Present	Inactive	State
32	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Response	Hazard Undetermined	Ongoing	State
33	Hawaii	Keaau	Keaau Paho Road 118 Acre Parcel	Medium	Response	Hazard Present	Inactive	State
34	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
35	Hawaii	Keaau	Keaau Middle School	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
36	Hawaii	Keaau	Keaau Triangle Lot	Medium	Response	Hazard Present	Ongoing	State
37	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Hazard Undetermined	Ongoing	PA/SI
38	Hawaii	Kealakekua	Kealakekua Heritage Ranch	Low	Response	Hazard Present	Ongoing	State
39	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Hazard Undetermined	Inactive	State
40	Hawaii	Kohala	Kohala Sugar Company	High	Assessment	Hazard Present	Ongoing	State
41	Hawaii	Laupahoehoe	Hamakua Sugar Company, Inc - Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing	Site Discovery
42	Hawaii	Naalehu	Hawaii Petroleum Distributors, Inc 200 Gallon Fuel Spill	Low	Assessment	Hazard Present	Inactive	State

HAWAI'I STATE RESPONSE PROGRAM LIST OF PRIORITY SITES

<b>Hawai'i State Response Program List of Priority Sites</b>								
<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>	
43	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive	Brownfields
44	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing	Site Discovery
45	Hawaii	Paauilo	Hawaiian Sugar Planters' Association Research Station - Paauilo	Low	Assessment	Hazard Undetermined	Inactive	Site Discovery
46	Hawaii	Paauilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive	State
47	Hawaii	Pahala	ML Macadamia Orchards, LP (Kau Div)	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
48	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing	State
49	Hawaii	Pepeekeo	Black Oil and Drum Sites	Low	Response	Hazard Present	Ongoing	State
50	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Assessment	Hazard Undetermined	Inactive	State
51	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing	State
52	Hawaii	Pepeekeo	Petroleum Impacted Soil Downslope of Former HCPC Maintenance Garage	Medium	Response	Hazard Present	Ongoing	State
53	Hawaii	South Kona	Kamehameha Schools Estoy Property	Medium	Response	Hazard Present	Ongoing	State
54	Hawaii	Volcano	Hawaii Volcanoes National Park Aboveground Storage Tank	Low	Assessment	Hazard Undetermined	Ongoing	State
55	Hawaii	Waiakea Uka	Waiakea Upland Arsenic Site	High	Assessment	Hazard Present	Inactive	State
56	Hawaii	Waipunalei	Hamakua Sugar Company, Inc - Waipunalei	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Site Discovery
57	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Hazard Present	Ongoing	State
58	Kauai	Hanamaulu	Lihue Plantation Co, Ltd - Lihue Herbicide Mixing Plant	Medium	Response	Hazard Undetermined	Ongoing	State
59	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing	State
60	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard Undetermined	Ongoing	State
61	Kauai	Kapaa	Leonard's, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
62	Kauai	Kapaa	Wailua Homestead Wells 0421-01& 02	Low	Response	Hazard Present	Inactive	State
63	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Hazard Undetermined	Inactive	HIANG Site
64	Kauai	Kekaha	Kekaha Diesel Generator	Medium	Response	Hazard Undetermined	Ongoing	State

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<b>Hawai'i State Response Program List of Priority Sites</b>								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>
65	Kauai	Kekaha	Kekaha Sugar Co, Ltd	Low	Response	Hazard Present	Ongoing	State
66	Kauai	Kekaha	Kekaha Sugar Co, Ltd - Kekaha Wood Treatment Plant	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
67	Kauai	Kilauea	Hale Hoolulu-Kilauea	Medium	Assessment	Hazard Undetermined	Ongoing	State
68	Kauai	Lawai	Lawai Valley Cannery	NFA	Assessment	Hazard Managed With Institutional Controls	NFA	State
69	Kauai	Lihue	Former Ahukini Dump	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
70	Kauai	Lihue	Kauai Beverage and Ice Cream Company	NFA	Response	No Hazard	NFA	State
71	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing	Site Discovery
72	Kauai	Lihue	Lihue Plantation Co, Ltd	High	Response	Hazard Present	Ongoing	Brownfields
73	Kauai	Lihue	Lihue Plantation Co, Ltd - Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing	PA/SI
74	Kauai	Lihue	Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Undetermined	Ongoing	State
75	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Ongoing	State
76	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	State
77	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Hazard Undetermined	Inactive	State
78	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Response	Hazard Present	Ongoing	State
79	Kauai	Puhi	Brewer Environmental Industries- Kaumualii Highway	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
80	Kauai	Wailua	Coco Palms Sewage Pump Station	Low	Assessment	Hazard Undetermined	Inactive	State
81	Kauai	Wailua	Kauai Agricultural Research Center (Agent Orange/Pesticide Sites)	NFA	Assessment	No Hazard	NFA	PA/SI
82	Kauai	Waimea	Meadow Gold Dairies, Inc- Waimea	Low	Response	Hazard Present	Inactive	State
83	Kauai	Waimea	Navy MFH PMRF Barking Sands	Low	Assessment	Hazard Undetermined	Ongoing	State
84	Kure Atoll	Kure Atoll	Kure Atoll, U.S. Coast Guard	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
85	Lanai	Lanai City	Lanai High and Elementary School	NFA	Assessment	No Hazard	NFA	State

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	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
86	Maui	Kahului	Central Power Plant Electrical Substation and Transformer Storage Yard	NFA	Response	Hazard Managed With Institutional Controls	NFA	State
87	Maui	Kahului	Kahului Terminal	Low	Response	Hazard Present	Ongoing	State
88	Maui	Kahului	Fong Construction	Low	Assessment	Hazard Undetermined	Inactive	State
89	Maui	Kahului	HIANG Kahului	Low	Assessment	Hazard Undetermined	Inactive	HIANG Site
90	Maui	Kahului	Hobron Ave Area (Kahului)	Low	Response	Hazard Present	Ongoing	State
91	Maui	Kahului	Kanaha Pond Industrial West Site	NFA	Assessment	No Hazard	NFA	State
92	Maui	Kahului	Maui Pineapple Co Ltd, Kane Street	NFA	Assessment	No Hazard	NFA	State
93	Maui	Kahului	Maui Well No. 5	Medium	Response	Hazard Undetermined	Inactive	State
94	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Inactive	State
95	Maui	Kahului	MECO Transformer 3357	Medium	Response	Hazard Undetermined	Inactive	State
96	Maui	Kahului	Sears Auto Center	Low	Assessment	Hazard Undetermined	Inactive	State
97	Maui	Kahului	Kahului Fuel Distribution Terminal	Low	Response	Hazard Present	Ongoing	State
98	Maui	Kahului	Alii Linen Service (fka Snow White Linen)	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
99	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing	State
100	Maui	Kihei	Selland Construction Inc, Kihei Base Yard	Low	Response	Hazard Undetermined	Inactive	State
101	Maui	Lahaina	Kapalua Resort Company	Low	Assessment	Hazard Undetermined	Ongoing	State
102	Maui	Lahaina	MECO submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Inactive	State
103	Maui	Lahaina	MECO Transformer Site	NFA	Response	No Hazard	NFA	State
104	Maui	Makawao	MECO Transformer 3633	NFA	Response	No Hazard	NFA	State
105	Maui	Olowalu	Luawai Road Transformer	Low	Assessment	Hazard Undetermined	Inactive	Site Discovery
106	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Undetermined	Ongoing	PA/SI
107	Maui	Pukalani	Maui Pineapple Co Ltd, Corn Mill Camp	High	Assessment	Hazard Present	Ongoing	VRP

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<b>Hawai'i State Response Program List of Priority Sites</b>								
	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
108	Maui	Puunene	Maui Wood Treating Co Ltd	Low	Assessment	Hazard Undetermined	Inactive	State
109	Maui	Puunene	Old Puunene Airport Soil Contamination	Medium	Assessment	Hazard Undetermined	Ongoing	State
110	Maui	Wailuku	Kehalani Development	NFA	Assessment	No Hazard	NFA	State
111	Maui	Wailuku	Maui Disposal	Medium	Response	Hazard Present	Ongoing	Site Discovery
112	Maui	Wailuku	MECO Transformer 3358	NFA	Response	No Hazard	NFA	State
113	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing	HIANG Site
114	Maui	Wailuku	Maui Vineyard Inn, UST Closure	NFA	Response	No Hazard	NFA	State
115	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing	State
116	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing	State
117	Molokai	Ilio Point	Long Range Navigation Station Ilio Point	High	Response	Hazard Present	Ongoing	State
118	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive	State
119	Molokai	Kaunakakai	Island Petroleum, Inc (Kaunakakai Terminal)	Low	Response	Hazard Present	Ongoing	State
120	Molokai	Kaunakakai	Molokai Community Service Center	Medium	Response	Hazard Present	Ongoing	State
121	Molokai	Maunaloa	Molokai Ranch Pineapple Pesticide and Maintenance Operations	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
122	Molokai	Puu Kapele	Puu Kapele	Low	Assessment	Hazard Undetermined	Inactive	State
123	Oahu	Aiea	98-151 Lipoa Place	Medium	Response	Hazard Present	Ongoing	Site Discovery
124	Oahu	Aiea	Aiea Stream	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
125	Oahu	Aiea	Grace Pacific Corporation - Halawa Valley Street	Low	Response	Hazard Present	Ongoing	State
126	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive	State
127	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive	State
128	Oahu	Aiea	Navy MFH Halawa	Low	Assessment	Hazard Undetermined	Ongoing	State
129	Oahu	Aiea	Navy MFH McGrew Point	Low	Assessment	Hazard Undetermined	Ongoing	State

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<b>Hawai'i State Response Program List of Priority Sites</b>								
	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
130	Oahu	Aiea	Sears Facility #1578 at Pearlridge Mall Elevator Jack	Low	Response	No Hazard	Ongoing	State
131	Oahu	Aiea	Sears Facility #1578 at Pearlridge Mall Hydraulic Hoist	Low	Response	Hazard Present	Ongoing	State
132	Oahu	Camp Smith	Marines MFH Camp Smith	Low	Assessment	Hazard Undetermined	Ongoing	State
133	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Inactive	Brownfields
134	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing	Brownfields
135	Oahu	Ewa Beach	East Kapolei Pesticide Mixing/Loading Site	High	Response	Hazard Managed With Engineering Controls	NFA	State
136	Oahu	Ewa Beach	Palailai Landfill	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
137	Oahu	Ewa Sugar Mill	Ewa Green Village Park	NFA	Assessment	No Hazard	NFA	Brownfields
138	Oahu	Fort Shafter	Army MFH FS Funston Village	Low	Response	Hazard Undetermined	Ongoing	State
139	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Low	Assessment	Hazard Undetermined	Ongoing	State
140	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
141	Oahu	Fort Shafter	Army MFH FS Palm Circle	Low	Assessment	Hazard Undetermined	Ongoing	State
142	Oahu	Fort Shafter	Army MFH FS Radar Hill	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
143	Oahu	Fort Shafter	Army MFH FS Rice Manor	Low	Assessment	Hazard Undetermined	Ongoing	State
144	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
145	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
146	Oahu	Haleiwa	Haleiwa Chevron Service Station	Low	Response	Hazard Undetermined	Ongoing	State
147	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Undetermined	Ongoing	State
148	Oahu	Helemano MR	Army MFH HMR Kalapana	Low	Assessment	Hazard Undetermined	Ongoing	State
149	Oahu	Helemano MR	Army MFH HMR Kekona	Low	Assessment	Hazard Undetermined	Ongoing	State
150	Oahu	Helemano MR	Army MFH HMR Kuapale	Low	Assessment	Hazard Undetermined	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>
151	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	Low	Assessment	Hazard Undetermined	Ongoing	State
152	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-1	Low	Assessment	Hazard Undetermined	Ongoing	State
153	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-2	High	Response	Hazard Present	Ongoing	State
154	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-3	High	Response	Hazard Present	Ongoing	State
155	Oahu	Hickam AFB	Air Force MFH HAFB Earhart I-4	High	Response	Hazard Present	Ongoing	State
156	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	Low	Assessment	Hazard Undetermined	Ongoing	State
157	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-1	Low	Assessment	Hazard Undetermined	Ongoing	State
158	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park II-4	Low	Assessment	Hazard Undetermined	Ongoing	State
159	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	Low	Assessment	Hazard Undetermined	Ongoing	State
160	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	Low	Assessment	Hazard Undetermined	Ongoing	State
161	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	Low	Assessment	Hazard Undetermined	Ongoing	State
162	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	Low	Assessment	Hazard Undetermined	Ongoing	State
163	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	Low	Assessment	Hazard Undetermined	Ongoing	State
164	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	Low	Assessment	Hazard Undetermined	Ongoing	State
165	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	Low	Assessment	Hazard Undetermined	Ongoing	State
166	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	Low	Assessment	Hazard Undetermined	Ongoing	State
167	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	Low	Assessment	Hazard Undetermined	Ongoing	State
168	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	Low	Assessment	Hazard Undetermined	Ongoing	State
169	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	Low	Assessment	Hazard Undetermined	Ongoing	State
170	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	Low	Assessment	Hazard Undetermined	Ongoing	State
171	Oahu	Hickam AFB	Air Force MFH HAFB GO/SO Historic Renovations	Low	Assessment	Hazard Undetermined	Ongoing	State
172	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa I-1	Medium	Assessment	Hazard Present	Ongoing	State
173	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa	Low	Assessment	Hazard Undetermined	Ongoing	State

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		Minor Renovations						
174	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	Low	Assessment	Hazard Undetermined	Ongoing	State
175	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	Low	Assessment	Hazard Undetermined	Ongoing	State
176	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	Low	Assessment	Hazard Undetermined	Ongoing	State
177	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	Low	Assessment	Hazard Undetermined	Ongoing	State
178	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	Low	Assessment	Hazard Undetermined	Ongoing	State
179	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	Low	Assessment	Hazard Undetermined	Ongoing	State
180	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	Low	Assessment	Hazard Undetermined	Ongoing	State
181	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	Low	Assessment	Hazard Undetermined	Ongoing	State
182	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	Low	Assessment	Hazard Undetermined	Ongoing	State
183	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	Low	Assessment	Hazard Undetermined	Ongoing	State
184	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	Low	Assessment	Hazard Undetermined	Ongoing	State
185	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	Low	Assessment	Hazard Undetermined	Ongoing	State
186	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-1	High	Response	Hazard Present	Ongoing	State
187	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-2	Low	Assessment	Hazard Undetermined	Ongoing	State
188	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka II-3	Low	Assessment	Hazard Undetermined	Ongoing	State
189	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	Low	Assessment	Hazard Undetermined	Ongoing	State
190	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	Low	Assessment	Hazard Undetermined	Ongoing	State
191	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	Low	Assessment	Hazard Undetermined	Ongoing	State
192	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	Low	Assessment	Hazard Undetermined	Ongoing	State
193	Oahu	Honolulu	1310 Pensacola Street	NFA	Response	No Hazard	NFA	PA/SI
194	Oahu	Honolulu	Aloha/King Self Storage	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	VRP
195	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State

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196	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing	State
197	Oahu	Honolulu	1800 Vancouver Drive	Medium	Assessment	Hazard Undetermined	Ongoing	State
198	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing	State
199	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing	State
200	Oahu	Honolulu	2250 Pahounui Drive	Medium	Response	Hazard Present	Ongoing	State
201	Oahu	Honolulu	3464-3466 Waialae Avenue	NFA	Response	Hazard Managed With Engineering Controls	NFA	Site Discovery
202	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing	State
203	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
204	Oahu	Honolulu	580 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Inactive	State
205	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Undetermined	Ongoing	State
206	Oahu	Honolulu	700 N Nimitz IDPP Release	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
207	Oahu	Honolulu	755 N Nimitz Hwy	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
208	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
209	Oahu	Honolulu	836 Kawaiahao Street	Low	Response	Hazard Undetermined	Ongoing	State
210	Oahu	Honolulu	Aina Haina 76 #2705750 (Tosco 76 Station #7461)	NFA	Response	Hazard Managed With Engineering Controls	NFA	State
211	Oahu	Honolulu	Ala Wai Harbor Boat Repair Yard	Medium	Response	Hazard Present	Ongoing	Site Discovery
212	Oahu	Honolulu	Ala Wai Harbor Fuel Dock	Medium	Response	Hazard Present	Ongoing	Site Discovery
213	Oahu	Honolulu	Alii #3282	Medium	Response	Hazard Present	Ongoing	State
214	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Present	Ongoing	State
215	Oahu	Honolulu	Aloha Petroleum Terminal	Medium	Response	Hazard Present	Ongoing	State
216	Oahu	Honolulu	Aloha Tower Development	Low	Assessment	Hazard Present	Ongoing	State
217	Oahu	Honolulu	Army MFH AMR Bougainville	Low	Response	Hazard Managed With Engineering	Ongoing	State

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					Controls			
218	Oahu	Honolulu	Army MFH AMR Hibiscus	Low	Assessment	Hazard Undetermined	Ongoing	State
219	Oahu	Honolulu	Army MFH AMR Makai View	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
220	Oahu	Honolulu	Army MFH AMR Plumeria	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
221	Oahu	Honolulu	Army MFH AMR Rim Loop	Low	Response	Hazard Undetermined	Ongoing	State
222	Oahu	Honolulu	Army MFH AMR Skyview	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
223	Oahu	Honolulu	Army MFH AMR Valley View	Low	Response	Hazard Undetermined	Ongoing	State
224	Oahu	Honolulu	BHP Gasco Benzene Site	High	Response	Hazard Present	Ongoing	State
225	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	High	Assessment	Hazard Present	Ongoing	VRP
226	Oahu	Honolulu	Chevron Honolulu Terminal Marine	Medium	Response	Hazard Present	Ongoing	State
227	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
228	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing	State
229	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing	State
230	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing	State
231	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
232	Oahu	Honolulu	Chevron Tanker Truck Loading Rack (TTLR)	High	Assessment	Hazard Undetermined	Ongoing	State
233	Oahu	Honolulu	Citizens Energy Services Pier 38	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
234	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Low	Assessment	Hazard Undetermined	Ongoing	State
235	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
236	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed With Institutional Controls	Inactive	State
237	Oahu	Honolulu	Dole Iwilei	Low	Assessment	Hazard Undetermined	Ongoing	State

HAWAI'I STATE RESPONSE PROGRAM LIST OF PRIORITY SITES

<b>Hawai'i State Response Program List of Priority Sites</b>								
<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>	
238	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
239	Oahu	Honolulu	Durant Properties	Medium	Response	Hazard Present	Ongoing	Site Discovery
240	Oahu	Honolulu	Equilon Enterprises LLC Honolulu Terminal	Low	Response	Hazard Present	Ongoing	State
241	Oahu	Honolulu	ARCO AM/PM #82102 (Texaco 61-100-0043)	Low	Response	Hazard Present	Ongoing	State
242	Oahu	Honolulu	Hawaii Grain Corporation	Low	Assessment	Hazard Undetermined	Ongoing	State
243	Oahu	Honolulu	Hakuyosha Hawaii, Inc	High	Response	Hazard Managed With Institutional Controls	NFA	State
244	Oahu	Honolulu	Hale Pua Nui UST Removal	Medium	Response	Hazard Undetermined	Ongoing	State
245	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport	Low	Assessment	Hazard Present	Ongoing	State
246	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport Relief Valve Release	Low	Assessment	Hazard Undetermined	Ongoing	State
247	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Inactive	State
248	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release	Low	Response	Hazard Present	Ongoing	State
249	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing	State
250	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Response	Hazard Managed With Engineering Controls	Inactive	State
251	Oahu	Honolulu	Hawaii Job Corps Center	Low	Assessment	Hazard Undetermined	Inactive	State
252	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
253	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing	State
254	Oahu	Honolulu	Hawaii Transfer Company, Ltd Pier 36	Low	Response	Hazard Present	Ongoing	State
255	Oahu	Honolulu	Hawaiian Electric Company (HECO) - Iwilei Tank Yard	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
256	Oahu	Honolulu	Hawaiian Electric Company (HECO)-	Low	Assessment	Hazard Undetermined	Inactive	State

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		Honolulu Generating Station					Response Program	
257	Oahu	Honolulu	Hawaiian Flour Mill	Medium	Response	Hazard Present	Ongoing	State
258	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Present	Ongoing	State
259	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive	State
260	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing	State
261	Oahu	Honolulu	HECO Transformer 27266	Medium	Response	Hazard Undetermined	Ongoing	State
262	Oahu	Honolulu	HECO Transformer 26127	Medium	Response	Hazard Undetermined	Inactive	State
263	Oahu	Honolulu	Honolulu Harbor Iwilei District Participating Parties	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
264	Oahu	Honolulu	Honolulu Shipyard, Inc	Low	Response	Hazard Undetermined	Inactive	State
265	Oahu	Honolulu	Interisland Maintenance Facility Site Elliot Street	Low	Response	Hazard Undetermined	Ongoing	State
266	Oahu	Honolulu	Island Movers, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
267	Oahu	Honolulu	Iwilei Project Site (Iwilei Brownfields)	Low	Response	Hazard Present	Inactive	State
268	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Medium	Response	Hazard Present	Ongoing	Site Discovery
269	Oahu	Honolulu	Kakaako Brownfield Project - Unit 10	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
270	Oahu	Honolulu	Kakaako Brownfield Project - Unit 2	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
271	Oahu	Honolulu	Kakaako Brownfield Project - Unit 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
272	Oahu	Honolulu	Kakaako Brownfield Project - Unit 5	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
273	Oahu	Honolulu	Kakaako Brownfield Project - Unit 6	High	Response	Hazard Managed With Engineering Controls	Ongoing	Brownfields
274	Oahu	Honolulu	Kakaako Brownfield Project - Unit 7	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
275	Oahu	Honolulu	Kakaako Brownfield Project - Unit 8	High	Response	Hazard Managed With Engineering Controls	Ongoing	State

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<b>Hawai'i State Response Program List of Priority Sites</b>								
	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
276	Oahu	Honolulu	Kakaako Brownfield Project - Unit 9	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Brownfields Site
277	Oahu	Honolulu	Kakaako Brownfield Project	High	Response	Hazard Managed With Institutional Controls	Ongoing	State
278	Oahu	Honolulu	Kakaako Makai District Parking Garage- Unit 1 and 3	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
279	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing	State
280	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing	State
281	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed With Institutional Controls	Ongoing	State
282	Oahu	Honolulu	Koko Head District Park	Low	Assessment	Hazard Managed With Institutional Controls	Inactive	Site Discovery
283	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Response	Hazard Undetermined	Inactive	Brownfields
284	Oahu	Honolulu	Kuhio Park Terrace Units D1 and D2	Medium	Response	Hazard Present	Ongoing	Brownfields
285	Oahu	Honolulu	Lance Goya's Chevron Service (Tom Tomita's Chevron)	Medium	Response	Hazard Present	Ongoing	State
286	Oahu	Honolulu	Lockheed Air Terminal, Inc	Low	Assessment	Hazard Undetermined	Inactive	State
287	Oahu	Honolulu	Longs Drugs Stores Warehouse	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
288	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd	Low	Response	Hazard Undetermined	Inactive	State
289	Oahu	Honolulu	Miyazaki Honolulu Airport Service Station (Airways Service Station Inc)	Low	Assessment	Hazard Undetermined	Inactive	State
290	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing	State
291	Oahu	Honolulu	Motor Supply	High	Response	Hazard Present	Ongoing	State
292	Oahu	Honolulu	Navy MFH Camp Stover	Low	Assessment	Hazard Undetermined	Ongoing	State
293	Oahu	Honolulu	Navy MFH Catlin Park	Low	Assessment	Hazard Undetermined	Ongoing	State
294	Oahu	Honolulu	Navy MFH Doris Miller Park	Low	Assessment	Hazard Undetermined	Ongoing	State
295	Oahu	Honolulu	Navy MFH Hale Alii	Low	Assessment	Hazard Undetermined	Ongoing	State
296	Oahu	Honolulu	Navy MFH Hale Moku	Low	Assessment	Hazard Undetermined	Ongoing	State

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<b>Hawai'i State Response Program List of Priority Sites</b>								
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>
297	Oahu	Honolulu	Navy MFH Halsey Terrace	Low	Assessment	Hazard Undetermined	Ongoing	State
298	Oahu	Honolulu	Navy MFH Hokulani	Low	Assessment	Hazard Undetermined	Ongoing	State
299	Oahu	Honolulu	Navy MFH Hospital Point	Low	Assessment	Hazard Undetermined	Ongoing	State
300	Oahu	Honolulu	Navy MFH Little Makalapa	Low	Assessment	Hazard Undetermined	Ongoing	State
301	Oahu	Honolulu	Navy MFH Makalapa	Low	Assessment	Hazard Undetermined	Ongoing	State
302	Oahu	Honolulu	Navy MFH Maloelap	Low	Assessment	Hazard Undetermined	Ongoing	State
303	Oahu	Honolulu	Navy MFH Marine Barracks	Low	Assessment	Hazard Undetermined	Ongoing	State
304	Oahu	Honolulu	Navy MFH Moanalua Terrace	Low	Assessment	Hazard Undetermined	Ongoing	State
305	Oahu	Honolulu	Navy MFH Radford Terrace	Low	Assessment	Hazard Undetermined	Ongoing	State
306	Oahu	Honolulu	Navy MFH Red Hill Terrace	Low	Assessment	Hazard Undetermined	Ongoing	State
307	Oahu	Honolulu	Nestle USA	Medium	Response	Hazard Present	Ongoing	State
308	Oahu	Honolulu	Hart Street WWPS	Low	Response	Hazard Present	Ongoing	State
309	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing	State
310	Oahu	Honolulu	Pacifica Condominiums	NFA	Response	No Hazard	NFA	State
311	Oahu	Honolulu	Parking Lot C and J Transformer Replacement	Low	Response	Hazard Undetermined	Ongoing	State
312	Oahu	Honolulu	PHT, Inc. dba Polynesian Hospitality	Low	Response	Hazard Undetermined	Inactive	State
313	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Hazard Present	Ongoing	State
314	Oahu	Honolulu	Richard's Chevron	Medium	Response	Hazard Present	Ongoing	Site Discovery
315	Oahu	Honolulu	Rubber Stamp Plantation	NFA	Response	No Hazard	NFA	PA/SI
316	Oahu	Honolulu	Safeway 1234 South Beretania Street	Low	Response	Hazard Managed With Institutional Controls	NFA	State
317	Oahu	Honolulu	Sand Island WWTP	Low	Response	Hazard Present	Inactive	State
318	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing	State
319	Oahu	Honolulu	Servco Pacific, Inc- Kalihi	Low	Assessment	Hazard Undetermined	Inactive	State
320	Oahu	Honolulu	Shidler College of Business Site	Low	Assessment	Hazard Undetermined	Inactive	State

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<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>	
		Improvements						
321	Oahu	Honolulu	Shell Service Station (Sierra Shell Service)	Low	Assessment	Hazard Undetermined	Inactive	State
322	Oahu	Honolulu	BTU Storage Tanks Pier 19	Medium	Response	Hazard Present	Ongoing	State
323	Oahu	Honolulu	Tesoro Hawaii Corporation, Terminal Department-Sand Island	Medium	Response	Hazard Present	Ongoing	State
324	Oahu	Honolulu	The Honolulu Advertiser (Hawaii Newspaper Agency)	High	Assessment	Hazard Present	Ongoing	Site Discovery
325	Oahu	Honolulu	Theo Davies Caterpillar Repair Site	Low	Response	Hazard Managed With Engineering Controls	Inactive	State
326	Oahu	Honolulu	Tosco Honolulu Bulk Distribution Terminal	High	Response	Hazard Present	Ongoing	VRP
327	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Inactive	State
328	Oahu	Honolulu	USPS Vehicle Maintenance Facility	Low	Response	Hazard Present	Ongoing	State
329	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive	State
330	Oahu	Honolulu	Wallys Garden Center	Medium	Response	Hazard Present	Ongoing	Site Discovery
331	Oahu	Honolulu	Weyerhaeuser	Medium	Response	Hazard Present	Ongoing	State
332	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Hazard Present	Ongoing	State
333	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Hazard Undetermined	Ongoing	State
334	Oahu	Honolulu	Young Brothers, Ltd Piers 24-28	Medium	Response	Hazard Present	Ongoing	State
335	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Assessment	Hazard Undetermined	Inactive	State
336	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
337	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing	State
338	Oahu	Kailua	Hawaii Youth Correctional Facility	Low	Assessment	Hazard Present	Ongoing	State
339	Oahu	Kailua	Honolulu Skeet Club	High	Response	Hazard Managed With Institutional Controls	Ongoing	Site Discovery
340	Oahu	Kailua	Ironwoods at Kailua	Low	Response	Hazard Present	Ongoing	Fast Track
341	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road	Medium	Response	Hazard Undetermined	Inactive	State

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	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
342	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive	State
343	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
344	Oahu	Kapaa	Kapaa Corporation Yard	NFA	Response	Hazard Managed With Engineering Controls	NFA	Site Discovery
345	Oahu	Kapolei	Barge Harbor Soil Contamination	Medium	Assessment	Hazard Undetermined	Inactive	State
346	Oahu	Kapolei	Barbers Point Harbor Expansion	Low	Response	Hazard Undetermined	Ongoing	State
347	Oahu	Kapolei	Barbers Point Harbor Pier 7 and Storage Yard S-6	Low	Assessment	Hazard Undetermined	Inactive	State
348	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery Tank Sludge	Medium	Assessment	Hazard Undetermined	Inactive	State
349	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive	State
350	Oahu	Kapolei	CoVan Warehouse	Low	Response	Hazard Present	Inactive	State
351	Oahu	Kapolei	Barbers Point Harbor Pier 5	Low	Assessment	Hazard Undetermined	Inactive	State
352	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Ongoing	Brownfields
353	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive	State
354	Oahu	Kapolei	Tileco, Inc	Medium	Assessment	Hazard Undetermined	Inactive	State
355	Oahu	Kapolei	Con-Fab Hawaii Corporation	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
356	Oahu	Kapolei	Hawaiian Refractories (Hawaiian Meat Packers)	Medium	Assessment	Hazard Undetermined	Ongoing	Site Discovery
357	Oahu	Kapolei	Honolulu Wood Treating Company, Ltd	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	VRP
358	Oahu	Kapolei	Honsador Lumber Corp	Medium	Response	Hazard Managed With Engineering Controls	NFA	VRP
359	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive	State
360	Oahu	Kapolei	Aloha Petroleum, Barbers Pt Sales Terminal (Formerly Texaco/Equilon)	Low	Response	Hazard Present	Ongoing	State
361	Oahu	Kapolei	UH West Oahu Campus	Low	Assessment	Hazard Undetermined	Inactive	State
362	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Ongoing	State

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363	Oahu	Kunia	Del Monte Kunia Former Maintenance Shop	Low	Response	Hazard Present	Ongoing	State
364	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present	Ongoing	State
365	Oahu	Kunia	Kunia Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
366	Oahu	Kunia	Kunia Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
367	Oahu	Kunia	Royal Kunia Phase II	NFA	Response	No Hazard	NFA	State
368	Oahu	Maili	84-Acre Portion of the Former Voice of America Site	Low	Assessment	Hazard Undetermined	Ongoing	State
369	Oahu	MCBH Kaneohe	Marines MFH MCBH Hawaii Loa	Low	Assessment	Hazard Undetermined	Ongoing	State
370	Oahu	MCBH Kaneohe	Marines MFH MCBH Heleloa	Low	Assessment	Hazard Undetermined	Ongoing	State
371	Oahu	MCBH Kaneohe	Marines MFH MCBH Kaluapuni	Low	Assessment	Hazard Undetermined	Ongoing	State
372	Oahu	MCBH Kaneohe	Marines MFH MCBH Kaneohe ADMIN FILE	High	Response	Hazard Present	Ongoing	State
373	Oahu	MCBH Kaneohe	Marines MFH MCBH Kapoho Hillside	Low	Assessment	Hazard Undetermined	Ongoing	State
374	Oahu	MCBH Kaneohe	Marines MFH MCBH Mololani	Low	Assessment	Hazard Undetermined	Ongoing	State
375	Oahu	MCBH Kaneohe	Marines MFH MCBH Nani Ulupau	Low	Assessment	Hazard Undetermined	Ongoing	State
376	Oahu	MCBH Kaneohe	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
377	Oahu	MCBH Kaneohe	Marines MFH MCBH Ulupau	Low	Assessment	Hazard Undetermined	Ongoing	State
378	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu Manning	Low	Assessment	Hazard Undetermined	Ongoing	State
379	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu NCO Row	Low	Assessment	Hazard Undetermined	Ongoing	State
380	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu Rainbow	Low	Assessment	Hazard Undetermined	Ongoing	State
381	Oahu	Mililani	HECO Transformer 27269	NFA	Response	No Hazard	NFA	State
382	Oahu	Mililani	Mililani Wells I	Low	Assessment	Hazard Undetermined	Ongoing	State
383	Oahu	Nanakuli	Kaiser Cement Corp Waianae Point	Low	Assessment	Hazard Undetermined	Ongoing	State
384	Oahu	Palolo	Palolo Elementary School	Medium	Response	Hazard Undetermined	Inactive	State
385	Oahu	Pearl City	96-1217 Waihona Street	NFA	Response	Hazard Managed With Engineering Controls	NFA	State

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386	Oahu	Pearl City	Waimano Home Campus	Low	Assessment	Hazard Managed With Engineering Controls	Inactive	Brownfields Site
387	Oahu	Pearl City	HECO Generating Station: Waiau	Medium	Response	Hazard Undetermined	Inactive	State
388	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Present	Ongoing	State
389	Oahu	Pearl City	Marines MFH Manana	Low	Assessment	Hazard Undetermined	Ongoing	State
390	Oahu	Pearl City	Navy MFH Manana	Low	Assessment	Hazard Undetermined	Ongoing	State
391	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Low	Assessment	Hazard Undetermined	Ongoing	State
392	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	State
393	Oahu	Pearl City	Hawaii Army National Guard Waiawa Gulch	Low	Response	Hazard Present	Ongoing	State
394	Oahu	Pearl City	Waiawa Shaft	Low	Assessment	Hazard Undetermined	Ongoing	State
395	Oahu	Schofield Barracks	Army MFH SB Akolea	Low	Assessment	Hazard Undetermined	Ongoing	State
396	Oahu	Schofield Barracks	Army MFH SB Aloala	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
397	Oahu	Schofield Barracks	Army MFH SB Canby	Low	Assessment	Hazard Undetermined	Ongoing	State
398	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Low	Assessment	Hazard Undetermined	Ongoing	State
399	Oahu	Schofield Barracks	Army MFH SB Hamilton	Low	Assessment	Hazard Undetermined	Ongoing	State
400	Oahu	Schofield Barracks	Army MFH SB Kaena	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
401	Oahu	Schofield Barracks	Army MFH SB Leader Field	Low	Assessment	Hazard Undetermined	Ongoing	State
402	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Low	Assessment	Hazard Undetermined	Ongoing	State
403	Oahu	Schofield Barracks	Army MFH SB Moyer	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
404	Oahu	Schofield Barracks	Army MFH SB Patriot	Low	Assessment	Hazard Undetermined	Ongoing	State
405	Oahu	Schofield Barracks	Army MFH SB Porter	Low	Response	Hazard Managed With Engineering Controls	Ongoing	State
406	Oahu	Schofield Barracks	Army MFH SB Ralston	Low	Assessment	Hazard Undetermined	Ongoing	State
407	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Low	Assessment	Hazard Undetermined	Ongoing	State

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	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Controls</u>	<u>Site Status</u>	<u>Program</u>
408	Oahu	Schofield Barracks	Army MFH SB Solomon	Low	Assessment	Hazard Undetermined	Ongoing	State
409	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Low	Assessment	Hazard Undetermined	Ongoing	State
410	Oahu	Wahiawa	410 Olive Avenue	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing	Site Discovery
411	Oahu	Wahiawa	95 South Kamehameha Highway	Medium	Response	Hazard Present	Ongoing	Site Discovery
412	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Low	Assessment	Hazard Undetermined	Ongoing	State
413	Oahu	Waialua	Mount Kaala Natural Area Reserve	NFA	Assessment	Hazard Undetermined	NFA	State
414	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Response	Hazard Undetermined	Ongoing	VRP
415	Oahu	Waialua	Waialua Sugar Mill VRP Site	High	Response	Hazard Managed With Engineering Controls	Ongoing	VRP
416	Oahu	Waianae	HECO Substation: Mikilua Substation	Medium	Response	Hazard Undetermined	Inactive	State
417	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing	State
418	Oahu	Waimanalo	Air Force MFH Bellows Renovation	Low	Assessment	Hazard Undetermined	Ongoing	State
419	Oahu	Waimanalo	HECO Transformer 27728 (Vault 3032)	Medium	Response	Hazard Undetermined	Inactive	State
420	Oahu	Waimanalo	University of Hawaii, Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive	State
421	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive	PA/SI
422	Oahu	Waipahu	Navy MFH Ford Island	Low	Assessment	Hazard Undetermined	Ongoing	State
423	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Hazard Undetermined	Ongoing	State
424	Oahu	Waipio	Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula	High	Response	Hazard Managed With Engineering Controls	Ongoing	State
425	Oahu	Wheeler AAF	Army MFH WAAF Kunia	Low	Assessment	Hazard Undetermined	Ongoing	State
426	Oahu	Wheeler AAF	Army MFH WAAF Puuli North	Low	Assessment	Hazard Undetermined	Ongoing	State
427	Oahu	Wheeler AAF	Army MFH WAAF Puuli South	Low	Assessment	Hazard Undetermined	Ongoing	State
428	Oahu	Wheeler AAF	Army MFH WAAF Wiliwili	Low	Assessment	Hazard Undetermined	Ongoing	State

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
1.	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
2.	Hawaii	Army, Kilauea Military Camp	Kilauea Military Reservation MMRP	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
3.	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area MMRP	NFA	Assessment	No Hazard	NFA	MMRP
4.	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Pu'u Pa'a	High	Assessment	Hazard Undetermined	Ongoing	MMRP
5.	Hawaii	Army, Pohakuloa Training Area	Pohakuloa Training Area, Vehicle Refueling Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
6.	Johnston	Army, Johnston Atoll	Johnston Atoll, Pacific Ocean	Low	Assessment	Hazard Undetermined	Ongoing	Army
7.	Kauai	Army, Corps of Engineers	FUDS Ahukini	Medium	Assessment	Hazard Present	Ongoing	FUDS
8.	Kauai	Army, Corps of Engineers	FUDS Grove Farm Artillery Range, Kauai	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	FUDS
9.	Kauai	Army, Corps of Engineers	FUDS Waimea Training Site	Medium	Assessment	Hazard Present	Ongoing	FUDS
10.	Kauai	Air Force, Kokee Air Force Station	Kokee AFS EA01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
11.	Kauai	Air Force, Kokee Air Force Station	Kokee AFS EA02	Low	Assessment	Hazard Undetermined	Ongoing	IRP
12.	Hawaii	Army, Corps of Engineers	FUDS Army Impact Range	High	Assessment	Hazard Present	Ongoing	FUDS
13.	Hawaii	Army, Corps of Engineers	FUDS Firing Range and Camp, Lalamilo, Hawaii	High	Response	Hazard Present	Ongoing	FUDS
14.	Hawaii	Army, Corps of Engineers	FUDS Ka'u Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
15.	Hawaii	Army, Corps of Engineers	FUDS Keaau Bombing Target	Medium	Assessment	Hazard Present	Ongoing	FUDS
16.	Hawaii	Army, Corps of Engineers	FUDS Makanalaua Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
17.	Hawaii	Army, Corps of Engineers	FUDS Nansay Hawaii	Low	Assessment	Hazard Present	Ongoing	FUDS
18.	Hawaii	Army, Corps of Engineers	FUDS Pakini Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
19.	Hawaii	Army, Corps of Engineers	FUDS Wahine Maka Nui Target	Medium	Assessment	Hazard Present	Ongoing	FUDS

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20.	Hawaii	Army, Corps of Engineers	FUDS Waikoloa Maneuver Area	Low	Response	Hazard Present	Ongoing	FUDS
21.	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp	Low	Assessment	Hazard Undetermined	Inactive	IRP
22.	Hawaii	Army, Kilauea Military Camp	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
23.	Kauai	Air Force, Kokee Air Force Station	Kokee AFS SS01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
24.	Kauai	Air Force, Kokee Air Force Station	Kokee AFS SS02	Low	Assessment	Hazard Undetermined	Ongoing	IRP
25.	Kauai	Navy	Pacific Missile Range Facility	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
26.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard Undetermined	Ongoing	IRP
27.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard Undetermined	Inactive	IRP
28.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined	Inactive	IRP
29.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Former Oil and Fuel Pipeline and Former Regulus Defueling Pit	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
30.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Landfill Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
31.	Kauai	Navy, Pacific Missile Range Facility	PMRF, Torpedo Postrun Facility Drain	Low	Assessment	Hazard Undetermined	Inactive	IRP
32.	Lanai	Army, Corps of Engineers	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Present	Ongoing	FUDS
33.	Lanai	Army, Corps of Engineers	FUDS Lanai Radar Station	Low	Response	Hazard Present	Ongoing	FUDS
34.	Maui	Army, Corps of Engineers	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present	Ongoing	FUDS
35.	Maui	Army, Corps of Engineers	FUDS Kane Puu Naval Bombing Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
36.	Maui	Army, Corps of Engineers	FUDS Maui Bombing Targets	Medium	Assessment	Hazard Present	Ongoing	FUDS
37.	Maui	Army, Corps of Engineers	FUDS Opana Point	Medium	Assessment	Hazard Present	Ongoing	FUDS

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38.	Molokai	Army, Corps of Engineers	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present	Ongoing	FUDS
39.	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined	Inactive	IRP
40.	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation 1850 Aliamanu Drive	Low	Assessment	Hazard Undetermined	Ongoing	Army
41.	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Bunker & Residential Areas	Low	Assessment	Hazard Undetermined	Inactive	IRP
42.	Oahu	Army, Aliamanu Military Reservation	Aliamanu Military Reservation, Seal Tunnel Portals	Low	Assessment	Hazard Undetermined	Inactive	IRP
43.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS Station P	High	Assessment	Hazard Present	Ongoing	IRP
44.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Auto Hobby Shop	Low	Assessment	Hazard Undetermined	Inactive	IRP
45.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Building 1769 UST BP68 BP69 BP70	NFA	Response	No Hazard	NFA	IRP
46.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Building 74 UST BP92	NFA	Response	No Hazard	NFA	IRP
47.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Building 786 UST BP95	NFA	Response	No Hazard	NFA	IRP
48.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Building 91 UST BP49 BP50 BP51	NFA	Response	No Hazard	NFA	IRP
49.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Coral Pit 1	Low	Assessment	Hazard Undetermined	Ongoing	IRP
50.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Golf Course Battery	Low	Assessment	Hazard Undetermined	Inactive	IRP
51.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, Golf Course Maintenance Building	Low	Response	Hazard Present	Ongoing	IRP
52.	Oahu	Navy, Barbers Point Naval Air Station	Barbers Point NAS, UST BP 19-20	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
53.	Oahu	Air Force, Bellows Air Force Station	Bellows AFB SS05	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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54.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC10	Low	Assessment	Hazard Undetermined	Ongoing	IRP
55.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined	Ongoing	IRP
56.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC20	Low	Assessment	Hazard Undetermined	Ongoing	IRP
57.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS AOC21	Low	Assessment	Hazard Undetermined	Ongoing	IRP
58.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS DP06	Low	Assessment	Hazard Undetermined	Ongoing	IRP
59.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS DP17	Low	Assessment	Hazard Undetermined	Ongoing	IRP
60.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA03	Low	Assessment	Hazard Undetermined	Ongoing	IRP
61.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA04	Low	Assessment	Hazard Undetermined	Ongoing	IRP
62.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA05	Low	Assessment	Hazard Undetermined	Ongoing	IRP
63.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS EA09	Low	Assessment	Hazard Undetermined	Ongoing	IRP
64.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS LF01 & DA101, Landfills	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
65.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA39, Former Large Bomb Range	Low	Assessment	Hazard Present	Ongoing	MMRP
66.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
67.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present	Ongoing	MMRP
68.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS OU1	Low	Assessment	Hazard Undetermined	Ongoing	IRP
69.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS OU7	Low	Assessment	Hazard Undetermined	Ongoing	IRP
70.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SD04	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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71.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SD22	Low	Assessment	Hazard Undetermined	Ongoing	IRP
72.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS SS21	Low	Assessment	Hazard Undetermined	Ongoing	IRP
73.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST03	Low	Assessment	Hazard Undetermined	Ongoing	IRP
74.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST09	Low	Assessment	Hazard Undetermined	Ongoing	IRP
75.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST11	Low	Assessment	Hazard Undetermined	Ongoing	IRP
76.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST12	Low	Assessment	Hazard Undetermined	Ongoing	IRP
77.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST13	Low	Assessment	Hazard Undetermined	Ongoing	IRP
78.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST14	Low	Assessment	Hazard Undetermined	Ongoing	IRP
79.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST15	Low	Assessment	Hazard Undetermined	Ongoing	IRP
80.	Oahu	Air Force, Bellows Air Force Station	Bellows AFS ST16	Low	Assessment	Hazard Undetermined	Ongoing	IRP
81.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy
82.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Dry Well Network	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
83.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Fire Fighting Training Pits	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
84.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Former Fuel Farm	Low	Assessment	Hazard Undetermined	Ongoing	BRAC
85.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, MWR Warehouse Area	Low	Response	Hazard Present	Ongoing	BRAC
86.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Navy Public Works Center	Low	Response	Hazard Present	Ongoing	BRAC

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87.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Regional Groundwater System	Low	Assessment	Hazard Undetermined	Inactive	BRAC
88.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Runway 11 Clear Zone	Low	Assessment	Hazard Undetermined	Inactive	BRAC
89.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Sanitary Landfill	Low	Assessment	Hazard Present	Inactive	BRAC
90.	Oahu	Navy, Barbers Point Naval Air Station	BRAC Barbers Point, Transformer Substations	Low	Response	Hazard Present	Inactive	BRAC
91.	Oahu	Navy, Pearl Harbor Naval Complex	Building 68 Electric Shop	Medium	Assessment	Hazard Undetermined	Inactive	IRP
92.	Oahu	Army, Schofield Barracks	Building Quad-J	Low	Assessment	Hazard Undetermined	Ongoing	Army
93.	Oahu	Navy, Marine Corps, Camp Smith	Camp HM Smith UST CS007	Low	Assessment	Hazard Undetermined	Inactive	IRP
94.	Oahu	An NPL Site - Locality is Kunia.	Del Monte Corp Oahu Plantation	Low	Response	Hazard Managed With Engineering Controls	Ongoing	NPL
95.	Oahu	Army, Dillingham Military Reservation	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
96.	Oahu	Navy, Pearl Harbor Naval Complex	Former Public Works Center Industrial Waste Treatment Plant	Medium	Response	Hazard Present	Ongoing	IRP
97.	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined	Inactive	IRP
98.	Oahu	Army, Fort DeRussy	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined	Inactive	IRP
99.	Oahu	Air Force, Fort Kamehameha	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
100.	Oahu	Army, Fort Shafter	Fort Shafter, Building 1527	Low	Response	No Hazard	Ongoing	IRP
101.	Oahu	Army, Fort Shafter	Fort Shafter, Drill Field, Pistol Range, and Rifle Ranges 1 & 2	Low	Response	Hazard Undetermined	Ongoing	MMRP
102.	Oahu	Army, Corps of Engineers	FUDS Aiea Military Reservation	High	Response	Hazard Present	Ongoing	FUDS
103.	Oahu	Army, Corps of Engineers	FUDS Aiea Military Reservation Storage Tanks	NFA	Response	No Hazard	NFA	FUDS

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104.	Oahu	Army, Corps of Engineers	FUDS Center Combat Range	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
105.	Oahu	Army, Corps of Engineers	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present	Ongoing	FUDS
106.	Oahu	Army, Corps of Engineers	FUDS Heeia Combat Training Camp	High	Response	Hazard Present	Ongoing	FUDS
107.	Oahu	Army, Corps of Engineers	FUDS Hickam Airfield	NFA	Assessment	No Hazard	NFA	FUDS
108.	Oahu	Army, Corps of Engineers	FUDS Kahuku Training Area	Medium	Assessment	Hazard Present	Ongoing	FUDS
109.	Oahu	Army, Corps of Engineers	FUDS Mahukona Range	Medium	Assessment	Hazard Present	Ongoing	FUDS
110.	Oahu	Army, Corps of Engineers	FUDS Makapuu Light House	Medium	Assessment	Hazard Present	Ongoing	FUDS
111.	Oahu	Army, Corps of Engineers	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present	Ongoing	FUDS
112.	Oahu	Army, Corps of Engineers	FUDS Oahu Target Island	High	Assessment	Hazard Present	Ongoing	FUDS
113.	Oahu	Army, Corps of Engineers	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Hazard Present	Ongoing	FUDS
114.	Oahu	Army, Corps of Engineers	FUDS Pacific Jungle Combat Training Area	High	Assessment	Hazard Present	Ongoing	FUDS
115.	Oahu	Army, Corps of Engineers	FUDS Pali Training Camp	High	Assessment	Hazard Present	Ongoing	FUDS
116.	Oahu	Army, Corps of Engineers	FUDS Popoki Target Area	High	Response	Hazard Present	Ongoing	FUDS
117.	Oahu	Army, Corps of Engineers	FUDS Rabbit Island	High	Assessment	Hazard Present	Ongoing	FUDS
118.	Oahu	Army, Corps of Engineers	FUDS Range D-400-L	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
119.	Oahu	Army, Corps of Engineers	FUDS Waiawa Training Area	Low	Assessment	Hazard Undetermined	Ongoing	FUDS
120.	Oahu	Army, Corps of Engineers	FUDS Waikane Training Area	High	Response	Hazard Present	Ongoing	FUDS
121.	Oahu	Army, Corps of Engineers	FUDS Wailua Artillery Impact Area	High	Assessment	Hazard Present	Ongoing	FUDS
122.	Oahu	Army, Corps of Engineers	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present	Ongoing	FUDS
123.	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
124.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Hazard Undetermined	Inactive	IRP

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125.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB AOC KNMD-EA11 Old HIANG Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
126.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB Building 1204	Low	Assessment	Hazard Undetermined	Inactive	IRP
127.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB CD125, West Debris Mound	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
128.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB CF23, Former Mess Hall	Medium	Assessment	Hazard Present	Ongoing	IRP
129.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB CG110, Aircraft Maintenance/Carburetor Cleaning Area	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
130.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB LF01, Landfill 1	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
131.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB LF05, Former Tri-Services Landfill	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
132.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB LF14, Inactive Landfill Area No.2	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
133.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, Former Skeet Ranges	Low	Assessment	Hazard Present	Ongoing	MMRP
134.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA1X, MRS TS001 Hickam Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
135.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
136.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	Hazard Present	Ongoing	MMRP
137.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	Hazard Present	Ongoing	MMRP
138.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present	Ongoing	MMRP
139.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS01, Fuel Leak Areas 13 &14	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
140.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS06, Fuel Leak Area 9 (Area B)	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
141.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS11, Fuel Leak Area 16 (Area L)	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
142.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS15, Fuel Leak Area 15, Par 3 Golf Course	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
143.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS156, POL Valve Pits A, B, D, E, I & J	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
144.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB SS24, Reef Taxiway	NFA	Assessment	Hazard Managed With Engineering Controls	NFA	IRP
145.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST20, EOD Area USTs	Low	Assessment	Hazard Present	Ongoing	IRP
146.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST27, John Rodgers Tank Farm	NFA	Assessment	No Hazard	NFA	IRP
147.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, Hickam Runway USTs & Cesspools	Low	Assessment	Hazard Present	Ongoing	IRP
148.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST28, UST AVPA-A & AVPA-B	NFA	Response	No Hazard	NFA	IRP
149.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, Bishop Point USTs	NFA	Assessment	No Hazard	NFA	IRP
150.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, UST 2002A & 2002B Motor Pool Industrial Area NW	NFA	Response	No Hazard	NFA	IRP
151.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, UST Bldg 1093	NFA	Response	No Hazard	NFA	IRP
152.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST29, UST F752 Bldg 3590 N	NFA	Response	No Hazard	NFA	IRP
153.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST30, Signer Residential USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
154.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST31, Hangar Avenue USTs & Abandoned Pipeline	Low	Assessment	Hazard Undetermined	Ongoing	IRP
155.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, UST 2050B	NFA	Response	No Hazard	NFA	IRP
156.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST32, Vickers Avenue USTs	Low	Assessment	Hazard Present	Ongoing	IRP

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157.	Oahu	Air Force, Hickam Air Force Base	HICKAM AFB ST34, Clean Water Rinse Facility	Medium	Assessment	Hazard Present	Ongoing	IRP
158.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST34, POL Area 11 Tank Farm	NFA	Response	No Hazard	NFA	IRP
159.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, Kuntz Avenue USTs	Low	Assessment	Hazard Present	Ongoing	IRP
160.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST35, UST 75036A & 75036B	NFA	Response	No Hazard	NFA	IRP
161.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB ST38, Fort Kamehameha USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
162.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, AMC Stripper Pit 43	Medium	Remedy Selection Complete	Hazard Managed With Institutional Controls	NFA	IRP
163.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1760 USTs	Low	Assessment	Hazard Present	Ongoing	Compliance
164.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1805 USTs	Low	Assessment	Hazard Undetermined	Ongoing	IRP
165.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 1815 UST	Low	Response	Hazard Managed With Institutional Controls	Ongoing	IRP
166.	Oahu	Air Force, Hickam Air Force Base	Hickam AFB, Building 906 UST	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
167.	Oahu	Air Force, Hickam Air Force Base	Hickam Former Building 2156 AST	Medium	Assessment	Hazard Present	Ongoing	IRP
168.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST01, Kipapa Fuel Storage Annex	High	Assessment	Hazard Present	Ongoing	IRP
169.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST01C, KFSU UST, OWS, & Cesspool	High	Response	Hazard Present	Ongoing	IRP
170.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST02, Spill Site ST02 & Valve Pit 26	Low	Assessment	Hazard Undetermined	Ongoing	IRP
171.	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
172.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST05, Spill Site ST05 and Valve Pits 1 thru 13	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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173.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST13, Spill Site ST13	NFA	Assessment	No Hazard	NFA	IRP
174.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST14, Spill Site ST14 & Valve Pit 30	Medium	Assessment	Hazard Present	Ongoing	IRP
175.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST21, Spill Site ST21 & Valve Pit 29	NFA	Assessment	No Hazard	NFA	IRP
176.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST27, Spill Site 27 (Formerly EA03)	NFA	Assessment	No Hazard	NFA	Compliance
177.	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Hickam POL ST28, Spill Site 28 (Formerly EA05)	Low	Assessment	Hazard Undetermined	Ongoing	IRP
178.	Oahu	Navy, Pearl Harbor Naval Complex	Hotel Pier Pearl Harbor	Low	Assessment	Hazard Undetermined	Inactive	IRP
179.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point Satellite Tracking Station	NFA	Response	Hazard Managed With Engineering Controls	NFA	Compliance
180.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA01	Low	Assessment	Hazard Undetermined	Ongoing	IRP
181.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA03	Low	Assessment	Hazard Undetermined	Ongoing	IRP
182.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA04	Low	Assessment	Hazard Undetermined	Ongoing	IRP
183.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA05	Low	Assessment	Hazard Undetermined	Ongoing	IRP
184.	Oahu	Air Force, Kaena Point Satellite Tracking Station	Kaena Point STS EA07	Low	Assessment	Hazard Undetermined	Ongoing	IRP
185.	Oahu	Army, Kahuku Training Area	Kahuku Training Area, Former Transformer Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
186.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe Marine Corps Base Hawaii MMRP	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
187.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 1282 Vehicle Maintenance Shop	Low	Assessment	Hazard Undetermined	Ongoing	IRP
188.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 373 Battery Shop	Low	Assessment	Hazard Undetermined	Ongoing	IRP
189.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Building 454 Disposal Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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190.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Marine Air Control Squadron-2 (MCBH site 23)	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
191.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Quarry Pit Landfill	Low	Response	Hazard Present	Ongoing	IRP
192.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH Various Transformers	Low	Assessment	Hazard Undetermined	Ongoing	IRP
193.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Building 1091 Oil Transfer Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
194.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Building 3052	Low	Assessment	Hazard Undetermined	Inactive	IRP
195.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Building 368 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	IRP
196.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Building 375 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	IRP
197.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Building 536 Solvent Disposal	Low	Assessment	Hazard Undetermined	Inactive	IRP
198.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, End of Runway Disposal Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
199.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Fire Bomb Mixing Site	Low	Assessment	Hazard Undetermined	Inactive	IRP
200.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Firefighting Training Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
201.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Fuel Farm Sludge Disposal Area	Medium	Assessment	Hazard Present	Ongoing	IRP
202.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, H-3 Sanitary Landfill	High	Assessment	Hazard Undetermined	Ongoing	IRP
203.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Moving Target Range	Medium	Response	Hazard Undetermined	Ongoing	MMRP
204.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Old Storage Behind Building 131	Low	Assessment	Hazard Undetermined	Inactive	IRP
205.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Ordnance Demolition Area	Low	Assessment	Hazard Undetermined	Inactive	IRP

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206.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Pollock Field Oil Spill	Low	Assessment	Hazard Undetermined	Inactive	IRP
207.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Range Disposal Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
208.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Skeet & Trap Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
209.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Small Arms & Malfunction Range	NFA	Assessment	No Hazard	NFA	MMRP
210.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, TSF Molokai Paint Pit	Low	Assessment	Hazard Undetermined	Inactive	IRP
211.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-44	Low	Assessment	Hazard Undetermined	Inactive	IRP
212.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, UST KB-73	Low	Assessment	Hazard Undetermined	Inactive	IRP
213.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Kaneohe MCBH, Waikane Valley	High	Assessment	Hazard Present	Ongoing	MMRP
214.	Oahu	Army, Kapalama Military Reservation	Kapalama Military Reservation South Oahu Location	Low	Assessment	Hazard Undetermined	Ongoing	Army
215.	Oahu	Army, Kunia Military Reservation	Kunia Field Station	Low	Assessment	Hazard Undetermined	Inactive	IRP
216.	Oahu	Army, Kunia Military Reservation	Kunia Field Station, Microwave Tower & Building 25	Low	Assessment	Hazard Undetermined	Ongoing	IRP
217.	Oahu	Army, Makua Military Reservation	Makua Military Reservation MMRP	High	Assessment	Hazard Present	Ongoing	MMRP
218.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
219.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Building 1091	Low	Assessment	Hazard Undetermined	Inactive	IRP
220.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Firebomb Mixing Area	Low	Assessment	Hazard Undetermined	Inactive	IRP
221.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Landfill	Low	Assessment	Hazard Undetermined	Ongoing	Navy

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222.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay Skeet Shooting Range	Low	Assessment	Hazard Undetermined	Inactive	IRP
223.	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MCBH Kaneohe Bay, Fire Fighting Training Area	Low	Response	Hazard Undetermined	Ongoing	IRP
224.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Naval Magazine Lualualei (Lualualei Branch)	Low	Assessment	Hazard Undetermined	Inactive	IRP
225.	Oahu	Navy, Naval Magazine Pearl Harbor	Naval Magazine Pearl Harbor MMRP	High	Assessment	Hazard Present	Ongoing	MMRP
226.	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NAVCAM	Low	Assessment	Hazard Undetermined	Inactive	IRP
227.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Auxiliary Power Building 77	Low	Assessment	Hazard Undetermined	Ongoing	IRP
228.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 112/112A Tank Repair Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
229.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 415 Automotive Service Station	Low	Response	Hazard Undetermined	Ongoing	IRP
230.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 7 Locomotive Shop	Low	Response	Hazard Undetermined	Ongoing	IRP
231.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building 78 Automotive Garage	Low	Response	Hazard Undetermined	Ongoing	IRP
232.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building D122 Projectile Overhaul Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
233.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Building S461 Battery Washing Shed	Low	Assessment	Hazard Undetermined	Ongoing	IRP
234.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Buildings 172 & 418 Battery Charging Shops	Low	Assessment	Hazard Undetermined	Ongoing	IRP
235.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Central Operations Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
236.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
237.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP

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238.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
239.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present	Ongoing	MMRP
240.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
241.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
242.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Outlying Operations Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
243.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Facility MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
244.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Rocket Test Range MRS	Low	Response	Hazard Undetermined	Ongoing	MMRP
245.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present	Ongoing	IRP
246.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Scrap Metal Landfill	Low	Assessment	Hazard Undetermined	Ongoing	IRP
247.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Small Arms Range II	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
248.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Stormwater and Sewage Systems	Low	Assessment	Hazard Undetermined	Ongoing	IRP
249.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Trap and Skeet Range MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
250.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present	Ongoing	IRP
251.	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele Building 21	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
252.	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, Burn Pit/Disposal Area	Low	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
253.	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, Contaminated Soil, Waipio	High	Assessment	Hazard Present	Ongoing	IRP
254.	Oahu	Navy, Naval Magazine Lualualei (Waikele Branch)	NAVMAG Waikele, USTs 50 & 51	Low	Assessment	Hazard Undetermined	Ongoing	IRP

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255.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, 4th Street Coral Pit Landfill	Medium	Assessment	Hazard Present	Ongoing	IRP
256.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Burning Pit MRS	Low	Response	Hazard Present	Ongoing	MMRP
257.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
258.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
259.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Otto Fuel Waste Storage Area	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
260.	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	NAVMAG West Loch, Vehicle Maintenance Facility	Low	Assessment	Hazard Undetermined	Ongoing	IRP
261.	Oahu	Navy, Waipio Peninsula	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	Low	Assessment	Hazard Present	Ongoing	IRP
262.	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Antenna 403 Disposal Area	Medium	Assessment	Hazard Present	Ongoing	IRP
263.	Oahu	Navy, NCTAMS Pacific	NCTAMS PAC NRTF LLL, Antenna 441 Disposal Area	Low	Assessment	Hazard Undetermined	Ongoing	DSMOA
264.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Abandoned Firing Range	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
265.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Antenna 354 Disposal Area	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
266.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 1 Wells	NFA	Assessment	No Hazard	NFA	IRP
267.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 4 Sump	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
268.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 6 Disposal Site	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
269.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Building 65 Disposal Area	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
270.	Oahu	Navy, NCTAMS Pacific	NCTAMS, East Gulch Disposal Site	Medium	Assessment	Hazard Present	Ongoing	IRP
271.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Former Building 63 Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP

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272.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Old Coral Pit	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
273.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Service Station Gulch	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
274.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Sewage Ponds	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
275.	Oahu	Navy, NCTAMS Pacific	NCTAMS, Site 18, Transformers 2, 234, and 420	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
276.	Oahu	Navy, NCTAMS Pacific	NCTAMS, West Gulch Disposal Site	Medium	Assessment	Hazard Present	Ongoing	IRP
277.	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	NCTAMSPAC Center Street	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
278.	Oahu	Navy, NCTAMS Pacific	NCTAMSPAC, Five Transformer Sites (Buildings 3, 106, S-17, 81, and S-26)	NFA	Response	Hazard Managed With Institutional Controls	NFA	IRP
279.	Oahu	Navy, NAVCAMS EASTPAC Opana	Opana (HI1170090053)	Low	Assessment	Hazard Undetermined	Ongoing	Compliance
280.	Oahu	Air Force, Palehua Solar Observatory	Palehua Solar Observatory	Low	Assessment	Hazard Undetermined	Inactive	IRP
281.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined	Ongoing	Navy
282.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Fletragru Firetest Area	Low	Assessment	Hazard Undetermined	Ongoing	IRP
283.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
284.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Complex	Medium	Response	Hazard Present	Ongoing	IRP
285.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
286.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined	Inactive	IRP
287.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Navy Shipyard	Low	Response	Hazard Managed With Institutional Controls	Inactive	IRP
288.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Sediment Study	High	Assessment	Hazard Present	Ongoing	IRP

DEPARTMENT OF DEFENSE PROGRAM LIST OF PRIORITY SITES

<b>Department of Defense Program List of Priority Sites</b>								
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
289.	Oahu	Navy, Pearl Harbor Naval Complex	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined	Ongoing	Navy
290.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined	Inactive	IRP
291.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Building 4 & Open Storage	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
292.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined	Inactive	IRP
293.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined	Inactive	IRP
294.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Pearl City Fuel Annex	Medium	Assessment	Hazard Present	Ongoing	IRP
295.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, PWC Gas Station Bldg 1326	Medium	Assessment	Hazard Undetermined	Inactive	IRP
296.	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	PHFISC, Surface Disposal Area	NFA	Assessment	No Hazard	NFA	IRP
297.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Aiea Laundry Building 436	Medium	Response	Hazard Present	Ongoing	IRP
298.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
299.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
300.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined	Inactive	IRP
301.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Hazard Undetermined	Inactive	IRP
302.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP
303.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined	Inactive	IRP
304.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined	Inactive	IRP

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<b>Department of Defense Program List of Priority Sites</b>								
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
305.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Church Site Moanalua Housing	NFA	Response	No Hazard	NFA	IRP
306.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined	Inactive	IRP
307.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Ford Island Landfill	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
308.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Former Firefighting Training Area	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
309.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Landing Pipeline	Medium	Response	Hazard Present	Inactive	IRP
310.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 11	Low	Assessment	Hazard Present	Ongoing	IRP
311.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Medium	Response	Hazard Undetermined	Ongoing	IRP
312.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
313.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Open Area Near Building 992	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
314.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Quarry Loch Building 709 UST 11,12,13,14	NFA	Response	No Hazard	NFA	IRP
315.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Quarry Loch Oil Seepage	Medium	Assessment	Hazard Undetermined	Inactive	IRP
316.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Substation G, Building S-6	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
317.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Transformer Site K-14	Low	Assessment	Hazard Undetermined	Ongoing	IRP
318.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Transformer Site TD-10	Medium	Assessment	Hazard Present	Ongoing	IRP
319.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Transformer Site W-4/W-5	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls	NFA	IRP
320.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Underwater Munitions NDSA	High	Assessment	Hazard Undetermined	Ongoing	MMRP

DEPARTMENT OF DEFENSE PROGRAM LIST OF PRIORITY SITES

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
321.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined	Inactive	IRP
322.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST BP-1	Medium	Assessment	Hazard Undetermined	Inactive	IRP
323.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined	Inactive	IRP
324.	Oahu	Navy, Pearl Harbor Naval Complex	PHNC, Various Housing Sites	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
325.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Asbestos Contaminated Site N-W DD3	NFA	Response	Hazard Managed With Engineering Controls	NFA	IRP
326.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Building 8	Medium	Remedy Selection Complete	Hazard Present	NFA	IRP
327.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Former Battery Acid Pit	Medium	Response	Hazard Present	Ongoing	IRP
328.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Former Lab & Annex B451 & T25	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
329.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Foundry, Building 6, New 03	Medium	Response	Hazard Managed With Engineering Controls	Ongoing	IRP
330.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, NSY Transport Yard, New 02	Medium	Assessment	Hazard Undetermined	Inactive	IRP
331.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Oscar 1 Pier Shoreline	NFA	Assessment	No Hazard	NFA	IRP
332.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Oscar 2 Pier	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls	NFA	IRP
333.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites	High	Assessment	Hazard Undetermined	Ongoing	IRP
334.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Storm/Sanitary Sewer Drain	Medium	Assessment	Hazard Undetermined	Inactive	IRP
335.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined	Inactive	IRP
336.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined	Inactive	IRP

DEPARTMENT OF DEFENSE PROGRAM LIST OF PRIORITY SITES

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
337.	Oahu	Navy, Pearl Harbor Naval Shipyard	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined	Inactive	IRP
338.	Oahu	Navy, Public Works Center	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined	Inactive	IRP
339.	Oahu	Navy, Public Works Center	PHPWC, Burn Area Near Pearl City Peninsula	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
340.	Oahu	Navy, Public Works Center	PHPWC, Makalapa Landfill Area	NFA	Assessment	Hazard Undetermined	NFA	IRP
341.	Oahu	Navy, Public Works Center	PHPWC, Makalapa Pesticide Rinseate	High	Remedy Selection Complete	Hazard Present	NFA	IRP
342.	Oahu	Navy, Public Works Center	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined	Inactive	IRP
343.	Oahu	Navy, Public Works Center	PHPWC, Paint Shop Storage	NFA	Assessment	No Hazard	NFA	IRP
344.	Oahu	Navy, Public Works Center	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined	Inactive	IRP
345.	Oahu	Navy, Public Works Center	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined	Inactive	IRP
346.	Oahu	Navy, Public Works Center	PHPWC, Wastewater Treatment Plant Waste	Medium	Response	Hazard Undetermined	Ongoing	IRP
347.	Oahu	Air Force, Punamano Air Force Station	Punamano Air Force Station	Low	Assessment	Hazard Undetermined	Inactive	IRP
348.	Oahu	Army, Schofield Barracks	Schofield Barracks Buildings 652, 649, 650	Low	Assessment	Hazard Undetermined	Ongoing	Army
349.	Oahu	Army, Schofield Barracks	Schofield Barracks NCO Academy Building 6055	Low	Assessment	Hazard Undetermined	Ongoing	Army
350.	Oahu	Army, Schofield Barracks	Schofield Barracks Site 26 Car Care	Low	Assessment	Hazard Undetermined	Inactive	IRP
351.	Oahu	Army, Schofield Barracks	Schofield Barracks, Garden Gulch	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
352.	Oahu	Army, Schofield Barracks	Schofield Barracks, Operable Unit 2 (OU2)	High	Response	Hazard Present	Ongoing	IRP

DEPARTMENT OF DEFENSE PROGRAM LIST OF PRIORITY SITES

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Controls</u></b>	<b><u>Site Status</u></b>	<b><u>Program</u></b>
353.	Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
354.	Oahu	Army, Schofield Barracks	Schofield Barracks, Site A-100-L-2 (TD)	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
355.	Oahu	Army, Schofield Barracks	Schofield Barracks, Site ER-7A	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
356.	Oahu	Army, Schofield Barracks	Schofield Barracks, Small Bore Range	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
357.	Oahu	Army, Schofield Barracks	Schofield Barracks, Southern Pistol Ranges	Low	Assessment	Hazard Undetermined	Ongoing	MMRP
358.	Oahu	Army, Schofield Barracks	Schofield Barracks, UST Building 3010A	Low	Assessment	Hazard Present	Inactive	IRP
359.	Oahu	Army, Schofield Barracks	Schofield Barracks, Yonkers Range	Medium	Response	Hazard Present	Ongoing	MMRP
360.	Oahu	Army, Tripler Army Medical Center	Tripler Army Medical Center, UST TAMC 137-3	NFA	Response	No Hazard	NFA	IRP
361.	Oahu	Navy, Pearl Harbor Naval Complex	USN Fleet Training Group	Low	Assessment	Hazard Undetermined	Ongoing	Navy
362.	Oahu	Air Force, Hickam Air Force Base	Waiawa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined	Inactive	IRP
363.	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined	Ongoing	IRP
364.	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	Waikakalaua Ammunitions Storage Tunnel MMRP	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
365.	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	Waipahu Incinerator/Ash Dump	High	Response	Hazard Present	Ongoing	IRP
366.	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield MMRP	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
367.	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Archery Range	Low	Assessment	Hazard Undetermined	Inactive	IRP
368.	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Combat Aviation Brigade	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP
369.	Oahu	Army, Wheeler Army Airfield	Wheeler Army Airfield, Practice Bomb Range	Medium	Assessment	Hazard Undetermined	Ongoing	MMRP

**LIST OF HAWAI'I STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS**

LIST OF EMERGENCY RESPONSE CASES

The **Hawai'i State Response Program Release Notification Log** presented in this section 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 Hazardous Evaluation and Emergency Response (HEER) Office received a total of 234 notifications including 28 oil sheen notifications for the historic Chevron's Pipeline at Waiau CT10 area, for a total of 201 separate release cases of petroleum related substances. HEER Office State On Scene Coordinators (SOSCs) performed direct oversight on 21 cases requiring on-site visits or off-scene coordination. Nine cases were referred to other agencies.

**HEER Office Emergency Response Actions - FY 2011**

<u>Release Notifications*</u>	<u>Chevron Pipeline Oil Spill at Waiau CT10 Area Specific Notifications</u>	<u>Oil Related Responses</u>	<u>Other</u>	<u>Direct On-site or Off-site SOSC Oversight</u>	<u>Cases Referred</u>
234 *	28	201	33	On-site: 17 Off-site: 4	To HEER SDAR: 11 To Other: 9

\* The 28 Chevron Pipeline Oil Spill at Waiau CT10 Area specific notifications are counted as one notification

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LIST OF HAWAI'I STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

<b><u>Hawai'i State Response Program Release Notification Log</u></b>						
<b><u>Islands</u></b>	<b><u>Locality</u></b>	<b><u>Case Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance</u></b>	<b><u>Media</u></b>	
370.	Hawaii	Hilo	Alleged Methamphetamine Site	20100706-1145	Unknown	Within Facility
371.	Hawaii	Hilo	Arsenic Mililani Street in Hilo	20110418-1615	Arsenic	Soil
372.	Hawaii	Hilo	C & F Trucking Naphtha Spill	20100721-0745	Naphtha	Soil
373.	Hawaii	Hilo	HELCO pad-mounted transformer #22209 release	20101202-0844	Transformer Oil	Soil
374.	Hawaii	Hilo	HELCO pad-mounted transformer #70L6687 release	20110620-1444	Transformer Oil	Concrete
375.	Hawaii	Hilo	HELCO PAD-MOUNTED TRANSFORMER RELEASE	20110413-1438	Transformer Oil	Soil
376.	Hawaii	Hilo	HELCO pole mounted transformer # 15735 release	20110620-1452	Transformer Oil	Soil
377.	Hawaii	Hilo	HELCO TRANSFORMER #19336 POLE MOUNTED RELEASE	20101028-0926	Transformer Oil	Soil
378.	Hawaii	Hilo	Tesoro Hilo Terminal 2 Petroleum Contamination	20110302-1330	Oil	Soil
379.	Hawaii	Hilo	Tesoro Hilo Terminal No.3 unknown oil release	20110202-0730	Oil	Groundwater
380.	Hawaii	Hilo	Unknown Sheen 946485	20100706-0758	Oil	Ocean
381.	Hawaii	Honolulu	HELCO TRANSFORMER #28182 RELEASE	20110118-1156	Transformer Oil	Asphalt
382.	Hawaii	Kailua-Kona	HELCO pad-mounted transformer #18974 release	20101117-0736	Transformer Oil	Soil
383.	Hawaii	Kailua-Kona	Kea Nui NRC 962442	20101216-1016	Diesel Fuel	Ocean
384.	Hawaii	Kamuela	HELCO TRANSFORMER POLE MOUNT #27416 RELEASE	20110107-1307	Transformer Oil	Soil
385.	Hawaii	Kamuela	HELCO Waimea Generating Station diesel release	20110504-1442LG	Diesel	Asphalt
386.	Hawaii	Keaau	HELCO pole mounted transformer #20274 release	20101108-0843	Transformer Oil	Soil
387.	Hawaii	Keaau	HELCO transformer pole-mount #18949 release	20101202-0843	Transformer Oil	Soil
388.	Hawaii	Keaau	HELCO TRANSFORMER RELEASE	20110302-1337	Transformer Oil	Soil
389.	Hawaii	Kona	Kona International Airport vehicular diesel release	20110216-1000	Diesel Fuel	Asphalt
390.	Hawaii	Mililani	ARMY HAWAII VEHICLE OIL RELEASE	20110314-1041	Transmission Fluid	Soil
391.	Hawaii	Ocean	Release NRC 957096	20101015-1059	Engine Oil	Ocean
392.	Hawaii	Pahoa	HELCO TRANSFORMER #27771 POLE MOUNTED	20101028-0927	Transformer Oil	Soil
393.	Hawaii	Pahoa	HELCO transformer pad-mount # 17243 release	20110127-1546	Transformer Oil	Soil
394.	Hawaii	Pahoa	Puna Geothermal turbine oil	20110526-1115	Turbine Oil	soil

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<b><u>Hawai'i State Response Program Release Notification Log</u></b>						
<b><u>Islands</u></b>	<b><u>Locality</u></b>	<b><u>Case Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance</u></b>	<b><u>Media</u></b>	
395.	Hawaii	Papaikou	27-0330 Malahoa Highway collision	20110217-1450	Oil	Soil
396.	Hawaii	Pepeekeo	HELCO POLE-MOUNTED TRANSFORMER #19104 RELEASE	20101229-1009	Transformer Oil	Soil
397.	Hawaii	Pepeekeo	HELCO Transformer 19104 Release	20101119-1717	Transformer Oil	Soil
398.	Hawaii	Waikoloa	HELCO pad mounted transformer #7672 release.	20101108-0842	Transformer Oil	Soil
399.	Kauai	Lihue	Kauai Kalamahulu Asphalt Plant	20110329-1506	Petroleum	soil
400.	Kauai	Lihue	Kauai Veterans Express hydraulic oil spill	20110210-1200	Hydraulic oil	Soil
401.	Kauai	Lihue	Kauai Veterans Express oil release	20100723-1145	Hydraulic Oil	Soil
402.	Kauai	Lihue	Sheen 946290	20100702-0722	Diesel Fuel	Ocean
403.	Maui	Haiku	MECO pad-mounted transformer #12241 release	20101130-0847	Transformer Oil	Soil
404.	Maui	Haiku	MECO pole-mounted transformer #6241 release	20110413-1439	Transformer Oil	Soil
405.	Maui	Haiku	Suspicious activity NRC 979668	20110614-1113	None	Air
406.	Maui	Haleakala	MECO pad-mounted transformer #2227 release	20110614-1313	Transformer Oil	Soil
407.	Maui	Hana	Hana Subdivision Waste Allegations	20110119-0900	Human wastes	Soil
408.	Maui	Hana	MECO POLE MOUNTED TRANSFORMER #13059 RELEASE	20101018-0932	Transformer Oil	Soil
409.	Maui	Hana	Meco pole-mounted transformer #2526	20110211-1436	Transformer Oil	Soil
410.	Maui	Hana	MECO POLE-MOUNTED TRANSFORMER #3324 RELEASE	20110203-1407	Transformer Oil	Soil
411.	Maui	Hana	MECO pole-mounted transformer #6734 release	20110620-1449	Transformer Oil	Soil
412.	Maui	Hana	MECO pole-mounted transformer #7211 release	20110620-1443	Transformer Oil	Soil
413.	Maui	Hana	MECO POLE-MOUNTER TRANSFORMER #6940 RELEASE	20110207-1354	Transformer Oil	Soil
414.	Maui	Hana	MECO transformer pole-mounted #6734 release	20110328-1402	Transformer Oil	Soil
415.	Maui	Hana	MECO transformer#7600 pole-mounted release	20110324-1359	Transformer Oil	Soil
416.	Maui	Kahului	A&B Central Power Plant Pipelines	20110120-1530	Bunker Oil	Soil
417.	Maui	Kahului	MECO PAD-MOUNTED TRANSFORMER #13702 RELEASE	20110215-0920	Transformer Oil	Soil
418.	Maui	Kahului	MECO pad-mounted transformer #7658 release	20110509-1202	Transformer Oil	Soil
419.	Maui	Kahului	MECO submersible transformer #3807 release	20110620-1450	Transformer Oil	Soil

LIST OF HAWAI'I STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

<b><u>Hawai'i State Response Program Release Notification Log</u></b>						
<b><u>Islands</u></b>	<b><u>Locality</u></b>	<b><u>Case Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance</u></b>	<b><u>Media</u></b>	
420.	Maui	Kahului	MECO sub-transformer# 3792 release	20110516-1419	Transformer Oil	Soil
421.	Maui	Kahului	MECO transformer #6098 release	20100927-0929	Transformer Oil	Soil
422.	Maui	Kahululi	MECO PAD-MOUNTED TRANSFORMER RELEASE #15415	20101027-0910	Transformer Oil	Soil
423.	Maui	Kihei	MECO SUBTERRANEAN TRANSFORMER #6325 RELEASE	20110216-0914	Transformer Oil	Soil
424.	Maui	Kihei	MECO pad-mounted #12073 transformer release	20110512-1235	Transformer Oil	Soil
425.	Maui	Kihei	MECO PAD-MOUNTED TRANSFORMER #14483 RELEASE	20101229-1007	Transformer Oil	Soil
426.	Maui	Kihei	MECO PAD-MOUNTED TRANSFORMER #22076 RELEASE	20101229-1008	Transformer Oil	Soil
427.	Maui	Kihei	MECO PAD-MOUNTED TRANSFORMER #9729 RELEASE	20110419-1413	Transformer Oil	Soil
428.	Maui	Kihei	MECO PD-MOUNTED TRANSFORMER #12288 RELEASE	20110228-1455	Transformer Oil	Soil
429.	Maui	Kihei	Meco transformer #8128 release	20101101-1113	Transformer Oil	Soil
430.	Maui	Kihei	MECO TRANSMORMER #8759 RELEASE	20100922-1424	Transformer Oil	Soil
431.	Maui	Lahaina	MECO PAD MOUNTED TRANSFORMER #9749 RELEASE	20100927-0928	Transformer Oil	Soil
432.	Maui	Lahaina	MECO pad-mounted transformer #10376 release	20110620-1442	Transformer Oil	Concrete
433.	Maui	Lahaina	MECO PAD-MOUNTED TRANSFORMER #7840 RELEASE	20101221-1403	Transformer Oil	Soil
434.	Maui	Lahaina	Medco pad-mount transformer #5055 release	20110207-1353	Transformer Oil	Soil
435.	Maui	Lahaina	MECO TRANSFORMER PAD-MOUNT #8407 RELEASE	20110131-1310	Transformer Oil	Soil
436.	Maui	Lahaina	MECO TRANSFORMER VAULT#6 RELEASE	20100709-1009	Transformer Oil	Soil
437.	Maui	Maalaea	F/V Kahuokekai NRC 970179	20110315-1509	Diesel Fuel #2	Ocean
438.	Maui	Makawao	MECO POLE MOUNTER TRANSFORMER #7116 RELEASE	20101203-0958	Transformer Oil	Soil
439.	Maui	Makawao	MECO transformer #5728 release	20100907-1425	Transformer Oil	Soil
440.	Maui	Makawao	MECO TRANSFORMER #7116 RELEASE	20101101-1112	Transformer Oil	Soil
441.	Maui	Wailuku	MECO PAD-MOUNTED TRANSFORMER RELEASE	20101124-1412	Transformer Oil	Soil
442.	Maui	Wailuku	MECO POLE MOUNTED TRANSFORMER #8156 RELEASE	20100909-0922	Transformer Oil	Soil
443.	Maui	Wailuku	MECO transformer	20110526-0616	transformer oil	Soil
444.	Maui	Wailuku	MECO TRANSFORMER #10717 RELEASE	20101018-0935	Transformer Oil	Soil

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445.	Maui	Wailuku	MECO TRANSFORMER #16337 RELEASE	20101018-0936	Transformer Oil	Soil
446.	Maui	Wailuku	MECO TRANSFORMER PAD-MOUNTED #10717 RELEASE	20110201-1359	Transformer Oil	Soil
447.	Molokai	Kaunakakai	Meco lube oil piping leak	20101206-1110	Lube Oil	Soil
448.	Molokai	Kaunakakai	MECO transformer #12786 RELEASE	20101002-0750	Transformer Oil	Soil
449.	Oahu	Aiea	HECO pad-mounted transformer #54335 release	20110629-0855	Transformer Oil	Concrete
450.	Oahu	Aiea	HECO pad-mount transformers # 35058 & 57269 release	20110307-1359	Transformer Oil	Soil
451.	Oahu	Aiea	HECO POLE-MOUNTER TRANSFORMER #77324,#77326,#77327 RELEASE	20101114-1945	Transformer Oil	Concrete
452.	Oahu	Barbers Point Naval Air Station	Barbers Point Two Fugitive Drums	20110303-1115	Oil	Other
453.	Oahu	Ewa Beach	91-2210 Old Fort Weaver Road dumping	20110425-0928	Oil	Soil
454.	Oahu	Ewa Beach	HECO pad-mounted #66881 transformer release	20110414-1417	Transformer Oil	Soil
455.	Oahu	Ewa Beach	HECO TRANSFORMER RELEASE	20101002-2200	Transformer Oil	Soil
456.	Oahu	Haleiwa	Alleged dumping NRC 979557	20110613-1303	Ethylene Glycol	Soil
457.	Oahu	Haleiwa	HECO POLE-MOUNTED TRANSFORMER #10464 RELEASE	20110217-1100	Transformer Oil	Soil
458.	Oahu	Hauula	Johnson Road Drum	20100721-1500	Unknown	Ocean
459.	Oahu	Hickam Air Force Base	HAFB Unknown Source Soil Contamination	20100730-1110	Oil	Soil
460.	Oahu	Honolulu	Leilani mercury spill	20101118-1902	Mercury	Soil
461.	Oahu	Honolulu	09-03-2010 Unknown Sheen	20100903-2100	Oil	Ocean
462.	Oahu	Honolulu	10th Avenue Illegal Dumping	20100715-1400	Solvent, Oil Based Paint	Within Facility
463.	Oahu	Honolulu	126 N. Pauahi Street #403 alleged release	20110610-1053	None	Air
464.	Oahu	Honolulu	438 Hobron Lane	20110607-1530	Corrosives	Air
465.	Oahu	Honolulu	Airport Hi Air gate#23 jet fuel release	20110617-2147	Jet Fuel	Concrete
466.	Oahu	Honolulu	Ala Wai unknown sheen 967020	20110210-1650	Oil	Ocean
467.	Oahu	Honolulu	Alleged harmful spray 02-10-2011	20110210-0947	Unknown	Air

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468.	Oahu	Honolulu	Army transformer release	20101214-1509	Transformer Oil	Soil
469.	Oahu	Honolulu	COCA-COLA PLANT AMMONIA RELEASE	20110222-0230	Ammonia	Concrete
470.	Oahu	Honolulu	Concern - Airborne contaminants	20110210-1116	airborne contaminants	Air
471.	Oahu	Honolulu	Container from HPD	20110317-0800	gasoline (87 octane)	container
472.	Oahu	Honolulu	COSTCO grease trap release	20100910-1510	cooking grease	Ocean
473.	Oahu	Honolulu	F/V Moon Star Release NRC 958224	20101027-1110	Diesel Fuel #2	Ocean
474.	Oahu	Honolulu	Fluorescent dye testing 02-11-2011	20110211-1030	Fluorescent Dye	Ocean
475.	Oahu	Honolulu	Former Honolulu Advertiser site	20100826-1115	Lead, Oil	Soil
476.	Oahu	Honolulu	Gasco hydrogen peroxide explosions	20100910-1350	Hydrogen Peroxide	Air
477.	Oahu	Honolulu	HAFB Tarmac Row 7 Jet Fuel Release	20110211-1315	Jet Fuel	Concrete
478.	Oahu	Honolulu	HECO pad mounted #76287 transformer release	20110414-1416	Transformer Oil	Soil
479.	Oahu	Honolulu	HECO PAD MOUNTED TRANSFORMER #55326 RELEASE	20100922-1423	Transformer Oil	Concrete
480.	Oahu	Honolulu	HECO pad-mounted #65844 transformer release	20110629-1249	Transformer Oil	Soil
481.	Oahu	Honolulu	HECO PAD-MOUNTED #71411 TRANSFORMER RELEASE	20110322-1341	Transformer Oil	Concrete
482.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER 65765 RELEASE	20101104-0927	Transformer Oil	Soil
483.	Oahu	Honolulu	HECO pad-mounted transformer #39208 release	20110322-1342	Transformer Oil	Concrete
484.	Oahu	Honolulu	HECO pad-mounted transformer # 71401 release	20110310-1350	Transformer Oil	Other
485.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER #11499 RELEASE	20110302-1340	Transformer Oil	Soil
486.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER #18087 RELEASE	20110224-1422	Transformer Oil	Soil
487.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER #32675 release	20110506-0137	Transformer Oil	Concrete
488.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER #65890 RELEASE	20101209-0905	Transformer Oil	Soil
489.	Oahu	Honolulu	HECO PAD-MOUNTED TRANSFORMER #74377 RELEASE	20110215-0918	Transformer Oil	Concrete
490.	Oahu	Honolulu	HECO pipeline	20110110-1419	Petroleum	Soil
491.	Oahu	Honolulu	HECO POL MOUNTED TRANSFORMER 13886 RELEASE	20101021-0910	Transformer Oil	Soil
492.	Oahu	Honolulu	HECO pole mounted transformer release	20110319-0033	Transformer Oil	Soil

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493.	Oahu	Honolulu	HECO pole-mounted transformer #11499 release	20110620-1448	Transformer Oil	Soil
494.	Oahu	Honolulu	Heco pole-mounted transformer #60822 release	20110404-1408	Transformer Oil	Soil
495.	Oahu	Honolulu	HECO substation transformer #18639 release	20110620-1451	Transformer Oil	Soil
496.	Oahu	Honolulu	HECO TRANSFORMER #123 RELEASE	20110314-1730	Transformer Oil	Soil
497.	Oahu	Honolulu	HECO TRANSFORMER #38437 RELEASE	20101013-0937	Transformer Oil	Soil
498.	Oahu	Honolulu	HECO TRANSFORMER #8586 RELEASE	20110131-1309	Transformer Oil	Soil
499.	Oahu	Honolulu	HECO vault#3737 transformer oil release	20110518-1307	Transformer Oil	Concrete
500.	Oahu	Honolulu	HELCO pole mounted transformer release	20110404-1407	Transformer Oil	Soil
501.	Oahu	Honolulu	Honolulu Harbor Pier 29	20110131-1610	Oil	Soil
502.	Oahu	Honolulu	Honolulu Harbor sheen at Piers 16 & 17	20100707-1152	sheen	ocean
503.	Oahu	Honolulu	Honolulu International Airport unknown "manapua" substance	20110426-1513	Unknown	Concrete
504.	Oahu	Honolulu	HPD GAS	20110317-2030	Gasoline	Drum or Other Container
505.	Oahu	Honolulu	Intergard 264 Universal Red FPL274 Dumping	20110126-1255	Paint	Other
506.	Oahu	Honolulu	Koko Head Abandoned Transformer	20100928-1540	PCB	Soil
507.	Oahu	Honolulu	Leahi Hospital Alleged Mercury Release	20110419-1243	Mercury	Storm Drain
508.	Oahu	Honolulu	Lowe's Iwilei Release 1-2-11	20110107-1043	Unknown	Storm Drain
509.	Oahu	Honolulu	Makaleka Street Illegal dumping	20100714-0900	Concrete Bonding Adhesive	Within Facility
510.	Oahu	Honolulu	Mamala Bay Golf Course Three Transformers	20101210-1413	Oil	Soil
511.	Oahu	Honolulu	Non-Release 965266	20110120-1128	None	None
512.	Oahu	Honolulu	NRC 974873	20110504-1808	Jet Fuel	Concrete
513.	Oahu	Honolulu	NRC 975857	20110510-0845	None	Ocean
514.	Oahu	Honolulu	NRC 976076	20110512-0756	Diesel Fuel	Storm Drain
515.	Oahu	Honolulu	Oil in valve pit on Nimitz Hwy	20110309-1300	Oil	Other

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516.	Oahu	Honolulu	Oil sheen - Kanekapolei and Ala Wai	20110211-0930	Oil	Ocean
517.	Oahu	Honolulu	Oil sheen - Piers 10 - 11	20110211-1000	Oil	Ocean
518.	Oahu	Honolulu	Pearl Harbor new fuel line project	20110517-1026	JP5	soil & surface water
519.	Oahu	Honolulu	Piers 32 - 35 canal black oil release	20100729-1005	Oil	Ocean
520.	Oahu	Honolulu	Potential to Release 09-09-2010	20100909-1055	Unknown	Other
521.	Oahu	Honolulu	Potential to release OU1C	20101216-1230	Petroleum	Other
522.	Oahu	Honolulu	Sheen 946279	20100701-1515	Oil	Ocean
523.	Oahu	Honolulu	Sheen 957100	20101015-1125	Oil	Ocean
524.	Oahu	Honolulu	University of Hawaii - Kennedy Theatre oil leak	20110616-1000	Citgo A/W Hydraulic Oil 32	Soil
525.	Oahu	Honolulu	Unknown Sheen 946866	20100707-0811	Oil	Ocean
526.	Oahu	Honolulu	Unknown sheen 957747	20101022-0710	Trichodesmium	Ocean
527.	Oahu	Honolulu	Unknown Sheen 973474	20110420-0800	Oil	Ocean
528.	Oahu	Honolulu	YOUNG BROTHERS HYDRAULIC OIL RELEASE	20100927-1210	Hydraulic Oil	Asphalt
529.	Oahu	Kailua	HECO PAD-MOUNTED TRANSFORMER #56661 RELEASE	20101104-0700	Transformer Oil	Soil
530.	Oahu	Kailua	HECO POLE -MOUNTED TRANSFORMER #75599 RELEASE	20110201-1360	Transformer Oil	Soil
531.	Oahu	Kailua	HECO POLE-MOUNTED TRANSFORMER #58034 RELEASE	20101104-0928	Transformer Oil	Soil
532.	Oahu	Kailua	HECO transformer pole-mounted #58118 release	20110629-0854	Transformer Oil	Soil
533.	Oahu	Kailua	HECO TRANSFORMER RELEASE pole5 vehicle accident	20101128-0438	Transformer Oil	Soil
534.	Oahu	Kailua	HECO transformer spill	20110522-0225	transformer oil	asphalt
535.	Oahu	Kailua	Kailua Beach - green pea soup color	20110227-1700	Unknown	Ocean
536.	Oahu	Kailua	NRC 975887	20110510-1312	Oil	Ocean
537.	Oahu	Kalihi	HECO PAD MOUNTED TRANSFORMER #71384 RELEASE	20100930-0902	Transformer Oil	Soil
538.	Oahu	Kaneohe	HECO Pole Mount Transformer 77802	20100706-0750	Oil	Soil
539.	Oahu	Kaneohe	HECO POLE MOUNTED TRANSFORMER #35559 RELEASE	20101018-0934	Transformer Oil	Soil

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540.	Oahu	Kaneohe	HECO TRANSFORMER #55812 RELEASE	20101027-0911	Transformer Oil	Soil
541.	Oahu	Kaneohe	MCBH Helicopter crash at K-Bay Sandbar	20110329-2248	Hydraulic Oil, Jet Fuel JP-8, Turbine Oil	Ocean
542.	Oahu	Kapolei	Alleged Chemical Sensitivities	20110408-1051	None	Air
543.	Oahu	Kapolei	CHEVRON PIPELINE CRUDE RELEASE	20101220-2053	Crude Oil	Soil
544.	Oahu	Kapolei	Chevron Refinery 30" Marine line release	20101217-0935	Petroleum	Within Facility
545.	Oahu	Kapolei	Fugitive Drum NRC 957436	20101019-1222	Seawater	Ocean
546.	Oahu	Kapolei	Hawaiian Waste Systems, LLC warehouse fire	20110106-1300	Particulates	Air
547.	Oahu	Kapolei	HECO PAD-MOUNTED TRANSFORMER #59622 RELEASE	20110302-1339	Transformer Oil	Soil
548.	Oahu	Kapolei	HECO pad-mounted transformer #71636 release.	20110228-1401	Transformer Oil	Soil
549.	Oahu	Kapolei	Incident Report NRC Number 957694	20101021-1340	Other	Other
550.	Oahu	Kapolei	Island Recycling Torching	20110408-1230	None	Air
551.	Oahu	Kapolei	Kapolei Business Park dumping	20110624-1249	Solvents	Soil
552.	Oahu	Kapolei	Medical Waste washing up on Ko'Olina beaches	20110114-1303	medical waste	ocean
553.	Oahu	Kapolei	NRC 968447	20110224-1024	None	Other
554.	Oahu	Kapolei	Schnitzer Steel Hawaii oil discovery complaint	20110607-1356	Oil	Soil
555.	Oahu	Kapolei	Suspicious Activity NRC 946717	20100706-0802	None	Other
556.	Oahu	Kapolei	Tesoro 946566	20100706-0757	Sulfur Dioxide	Air
557.	Oahu	Kapolei	Tesoro Petroleum Corp NRC 973998	20110415-1222	Sulfur Dioxide	Air
558.	Oahu	Kapolei	Tesoro Refinery 2-11-2011	20110207-0820	Sulfur Dioxide	Air
559.	Oahu	Kapolei	Tesoro Refinery flaring	20110304-1609	Sulfur Dioxide	air
560.	Oahu	Kapolei	Vikoma Sea Skimmer 50 NRC 957575	20101020-1410	Hydraulic Oil	Ocean
561.	Oahu	Mililani	Costco Waipio bird repellent	201008012- 08001200	Methyl Anthranilate	Air
562.	Oahu	Mililani	HECO PAD-MOUNTED TRANSFORMER #72368 RELEASE	20110211-1235	Transformer Oil	Soil
563.	Oahu	Mililani	HECO PAD-MOUNTER TRANSFORMER #63834 RELEASE	20110215-0919	Transformer Oil	Soil

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564.	Oahu	Mililani	HECO transformer pad mounted #36306 release	20110629-0853	Transformer Oil	Concrete
565.	Oahu	Nanakuli	HECO pole-mounted #70265 transformer release	20110414-1418	Transformer Oil	Soil
566.	Oahu	North Shore Oahu	Fugitive Drum 964144	20110109-1703	Water	Ocean
567.	Oahu	Pearl City	735 Kam Highway Taro Fields	20110505-1222	None	Other
568.	Oahu	Pearl City	96-1217 Waihona Street Exempt UST	20110620-1520LG	Diesel Fuel	Soil
569.	Oahu	Pearl City	Allegations of illegal activities/dumping	20100714-1030	Unknown	Soil
570.	Oahu	Pearl City	HECO mercury release	20100908-1630	Mercury	Other
571.	Oahu	Pearl City	HECO PAD-MOUNTED TRANSFORMER #50482 RELEASE	20110216-0915	Transformer Oil	Soil
572.	Oahu	Pearl City	HECO POLE MOUNTED TRANSFORMER #23798 RELEASE	20101018-0933	Transformer Oil	Soil
573.	Oahu	Pearl City	HECO TRANSFORMER PAD-MOUNTED #65891 RELEASE	20110307-1400	Transformer Oil	Soil
574.	Oahu	Pearl Harbor	Chevron Pipeline Oil Spill at Waiau CT10 Area	Various	Bunker C/IFO/HFO	Ocean
575.	Oahu	Pearl Harbor	Barge SWOB 010012 - 02-10-2011	20110210-1021	Waste Fuel Oil	Ocean
576.	Oahu	Pearl Harbor	Bldg. 3400 06-29-2011	20110629-1050	Jet Fuel JP-8	Within Facility
577.	Oahu	Pearl Harbor	Fuel pipeline release 01-11-2011	20110110-1014	Jet Fuel JP-5	Ocean
578.	Oahu	Pearl Harbor	NOAA Vessel Oscar Elton Sette 963931	20110106-1034	Hydraulic Oil	Ocean
579.	Oahu	Pearl Harbor	NRC 963619	20110103-1305	Diesel Lubricating Oil	Ocean
580.	Oahu	Pearl Harbor	SWOB 30 Release NRC 957130	20101018-0715	Oily Water Mixture	Ocean
581.	Oahu	Pearl Harbor	USNS Salvor Release 957116	20101015-1425	Hydraulic	Ocean
582.	Oahu	Pearl Harbor	USS Chicago grease release	20101123-1544	Grease	Ocean
583.	Oahu	Pearl Harbor	SWOB 48 Release 962756	20101220-1145	Oily Water Mixture	Ocean
584.	Oahu	Schofield Barracks	ARMY SCHOFIELD BARRACKS SOLVENT RELEASE	20101124-1400	Solvent	Soil
585.	Oahu	Schofield Barracks	Motor oil from drip pans 04-08-2011	20110408-1500	Motor Oil	Soil
586.	Oahu	Schofield Barracks	Schofield Army Garrison hydraulic	20110125-1321	Hydraulic Oil	Concrete
587.	Oahu	Wahiawa	HECO POLE -MOUNTED TRANSFORMER #19252 RELEASE	20110215-0917	Transformer Oil	Soil
588.	Oahu	Wahiawa	Mount Kaala FAA Radar Site Diesel Release	20110118-1200	Diesel Fuel	Soil

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589.	Oahu	Wahiawa	Rolloffs Hawaii Schofield Barracks diesel spill	20110113-1325	Diesel Fuel	Soil
590.	Oahu	Waialua	Contaminated soil - Dillingham Airfield	20110331-1130	Oil	Soil
591.	Oahu	Waianae	Heco transformer pad-mounted #54278 release	20110408-1509	Transformer Oil	Soil
592.	Oahu	Wailuku	644 Meakanu Mercury	20110620-0806LG	Mercury	Drum or Other Container
593.	Oahu	Waimanalo	HECO PAD MOUNTED TRANSFORMER #52438 RELEASE	20100930-0903	Transformer Oil	Soil
594.	Oahu	Waimanalo	HECO TRANSFORMER POLE-MOUNTED #75942 RELEASE	20110328-1400	Transformer Oil	Soil
595.	Oahu	Waimanalo	P/C Missy II Sinking at Waimanalo Beach 947983	20100719-0658	Diesel Fuel	Ocean
596.	Oahu	Waipahu	HECO PAD-MOUNTED TRANSFORMER # 70234 RELEASE	20110302-1338	Transformer Oil	Soil
597.	Oahu	Waipahu	Awamoi Street Sulfuric Acid Spill	20100712-0742	Sulfuric Acid, Sodium Bicarbonate	Soil
598.	Oahu	Waipahu	HECO pad-mounted transformer # 62615 release	20110322-1343	Transformer Oil	Soil
599.	Oahu	Waipahu	HECO transformer pad-mounted #59706 release	20110408-1510	Transformer Oil	Soil
600.	Oahu	Waipahu	Heco transformer #37611 pad-mounted release	20100902-0927	Transformer Oil	Soil
601.	Open Ocean	Open Ocean	F/V Tanya Rose NRC # 948137	20100719-0653	Diesel Oil	Ocean
602.	Open Ocean	Open Ocean	Uranium NRC 963817	20110105-0900	Uranium	Within Facility
603.	Samoa	Pago Pago	Unknown Sheen 07-01-2010	20100702-0723	Oil	Ocean