

**REPORT TO THE TWENTY-SIXTH LEGISLATURE  
STATE OF HAWAII  
2011**

**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 2010**

**PREPARED BY:**

**DEPARTMENT OF HEALTH  
STATE OF HAWAII  
DECEMBER 2010**

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## EXECUTIVE SUMMARY

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### REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND FOR FISCAL YEAR 2010

#### REPORT ON CHAPTER 128D, HRS, ENVIRONMENTAL RESPONSE LAW AND 128E, HRS HAWAII 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 Chapters 128D and 128E, Hawai'i Revised Statutes (HRS) requiring the DOH to report to the State Legislature on the Environmental Response Law and Hawai'i Emergency Planning and Community Right to Know Act.

The report presents an accounting of FY 2010 128D, HRS Environmental Response Revolving Fund (ERRF) budget and expenditures, with descriptions of key program activities for five Environmental Health Administration (EHA) programs. ERRF 128D, HRS funds are used for the following purposes.

- Removal or remedial actions consistent with Chapter 128D to deal with oil spill and hazardous substances releases.
- Oil spill planning, prevention, preparedness, education, research, training, removal, and remediation.
- Direct support for county used oil-recycling programs.
- To support environmental protection and natural resource protection programs; including but not limited to energy conservation and alternative energy development; and to address concerns related to air quality, global warming, clean water, polluted runoff, solid and hazardous waste, drinking water, and underground storage tanks (UST), including support for the UST program of the department and funding for the acquisition by the State of a soil remediation site and facility.

The report also presents an accounting of 128E, HRS Hawai'i Emergency Planning and Community Right to Know Act (HEPCRA) Tier II filing fees collected in FY 2010 and distributed for FY 2011.

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

Five programs in the Environmental Health Administration (EHA) received ERRF funding during FY 2010. 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 support was crucial to these programs in FY2010 as EHA was severely affected by state budget restrictions, losing General Fund positions, and facing additional vacancies due to retirements and hiring restrictions.

#### ERRF REVENUE

Revenue to the ERRF during FY 2010 totaled \$3,231,480. Table 1 presents the revenue collected as of June 30, 2010.

Revenue to the ERRF is generated primarily from two sources, the 5-cents per barrel oil tax and, fines collected for violations of environmental law. Income from fines for violations is variable during any given year. The oil tax revenue is one of decline. Oil tax revenue for fiscal years 2008, 2009, and 2010, respectively, were \$1,695,473, \$1,589,612, and \$1,431,270.

#### ERRF EXPENDITURE

Budgets were appropriated to the Hazard Evaluation and Emergency Response (HEER) Office (\$3,337,998), the Environmental Management Division (EMD) (\$83,585), the Clean Water Branch (CWB) (\$289,134), the Safe Drinking Water Branch (SDWB) (\$670,411), and the Solid and Hazardous Waste Branch (SHWB) (\$740,603). Total ERRF appropriation for the five programs was \$5,121,730.

The State expended \$3,210,182 of \$5,121,730 appropriated to fund the five HTH 849 and HTH 840 environmental programs. The individual draw-downs from the ERRF were \$1,455,207 to the Hazard Evaluation and Emergency Response (HEER) Office, \$194,764 to the Clean Water Branch, \$831,622 to the Safe Drinking Water Branch, and

\$728,589 to the Solid and Hazardous Waste Branch. The monies appropriated to EMD were actually expended directly from the SHWB budget.

Table 2 presents a summary of the amounts appropriated and expended for each of the five EHA programs.

#### **HAWAII STATE RESPONSE PROGRAM IMPACTED BY BUDGET CUTS**

State budgetary constraints hampered the HEER Office managed Hawaii's State Response Program's ability to respond to releases of hazardous substances this fiscal year. Over the course of FY2010, out of an initial staff of 33 in the HEER Office, three highly experienced staff were subject to reduction in force due to cuts to the State General Fund. Four additional senior staff retired or left public service, and were not replaced due to hiring restrictions. The most significant continuing impacts are the loss of round-the-clock Emergency Response coverage that has been in place for 20 years, the loss of three senior scientists overseeing complex environmental cleanups, and the loss of an epidemiology specialist. As a result of the staffing reductions, compounded by shortened work weeks due to state mandated furloughs, HEER had to prioritize its functions to focus resources on major threats to human health and the environment.

Tasks conducted by the HEER Office State On-Scene Coordinators have been severely curtailed. The remaining two out of four HEER Office State On Scene Coordinators (SOSCs) managed an increased number of release notifications and emergency responses actions during this fiscal year.

The Site Discovery, Assessment, and Remediation Section turned its staffing emphasis towards high priority sites where releases of contaminants may pose significant risks to people and the land. As a result, oversight of low priority sites slowed, and crucial collaborative efforts with stakeholders, including the Annual Brownfields Forum and technical trainings for the environmental community were delayed or cancelled. Meeting and training commitments with the Pacific Islands Brownfield Response Team, our South Pacific environmental response program partners, were also cancelled.

The Hazard Evaluation Section lost their Adult Blood Lead Epidemiology and Surveillance (ABLES) monitoring program lead, and lost dedicated staff to respond to the public inquiries about contaminant

exposures. One toxicologist and one risk assessor now manage all human health and hazard evaluations for all of EHA, leading to delays in responsiveness and decisions not to assist with lower priority issues.

#### **ERRF KEY LEGISLATIVE ACTIONS**

In FY 2010 the Legislature passed H.B. 2421 C.D. 1 Relating to Government. The measure raised the Environmental Response Revolving Fund (ERRF) 5-cents per barrel petroleum tax to \$1.05. The additional revenue amounts 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 will be 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. The remaining 60-cents will be deposited to the General fund. The measure also exempted aviation fuel from the ERRF per barrel petroleum tax.

The DOH is concerned about lower barrel tax revenues, both in the near and long terms. The aviation fuel exemption is one factor. Another is that oil companies may pass the higher tax to Hawaii's consumers, already paying the highest gas prices in the nation, depress consumption, and actually reduce ERRF net revenues to DOH. The Department of Taxation has estimated that the ERRF tax rate for DOH would need to be increased to between 7.3 and 9.5 cents to maintain the revenue levels before the aviation fuel exemption. Long term, under the Hawaii Clean Energy Initiative, Hawaii has committed to reducing fossil fuel consumption from about 90% to 30% by 2030, and most fossil fuel in Hawaii is oil.

The DOH uses the ERRF to respond to and cleanup oil spills and hazardous materials releases to the environment when the polluter does not. The fund supports 39 positions within five environmental programs, HEER Office, EMD, CWB, SDWB, and SHWB. Should the measure lead to reduced income allocated to the ERRF, the Department may not be able to carry out its statutory duties. We are apprehensive about any measure that may lead to reducing the existing 5 cents per barrel tax rate allocated to the ERRF or the net income to the fund.

### **Brownfields Prospective Purchaser Amendment**

HEER worked closely with stakeholders to identify regulatory obstacles to economic redevelopment of contaminated properties. As a direct result of those efforts, the State Legislature passed Act 125, in 2009, the 2009 Brownfields Prospective Purchaser (BFPP) law, making it easier for future purchasers to buy and safely redevelop distressed properties without assuming the liability of the original polluters.

### **HAWAII STATE RESPONSE PROGRAM LIST OF SITES**

The listing of prioritized sites required under HRS 128D are presented at the end of this document, in two separate tables labeled the Hawai'i State Response Program List of Priority Sites and Department of Defense Program List of Priority Sites. These lists 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).

The number of sites on the Hawai'i State Response Program List of Priority Sites remains static, due to the ongoing identification of new sites through HEER Office site discovery efforts and voluntary investigation actions from property owners. Since 2009, a total of 105 state sites have had No Further Action Determinations and 94 new sites have been added.

Assessment and cleanup activities are underway within HEER Office Site Discovery, Assessment, and Remediation (SDAR) Section on 449 Hawai'i State Response Program sites and 378 federal DSMOA Program sites.

The number of sites on the Department of Defense Program List of Priority Sites continues to drop annually as cleanup activities are completed. Few new sites have been added due to systematized identification of DSMOA sites in previous fiscal years. 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 2010, clean up decisions were reached at 73 DSMOA sites, with remedy completion at 47 sites.

The FY 2010 Hawai'i State Response Program Release Notification Log listing all emergency hazardous substance and petroleum release notifications managed by the Hazardous Evaluation and Emergency Response (HEER) Office State On Scene Coordinators (SOSCs) is presented on at the end of this document. The HEER Office received a total of 331 notifications including 66 oil sheen notifications for the historic Chevron's Pipeline at Waiau CT10 area, for a total of 265 separate release cases. Notifications for releases of petroleum related substances numbered 208. HEER Office SOSCs performed direct oversight on 45 cases requiring on-site visits or off-scene coordination. Due to staffing limitations, direct oversight of cases dropped 25% from 2009 despite steady notification rates.

## **FY 2010 DOH ENVIRONMENTAL PROGRAM HIGHLIGHTS**

### **HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE: REDUCING RISKS TO PROTECT THE PUBLIC USING COMBINED ERF, GENERAL FUND, AND FEDERAL GRANT FUNDING**

#### **Emergency Response Community Participation**

DOH and Clean Islands Council (CIC) sponsored a full scale field exercise on the Airborne Dispersant Delivery System (ADDS) and Helicopter Bucket Dispersant Delivery System, including the communication and monitoring operations.

Training with County HAZMAT units was ongoing. The HEER Office State On Scene Coordinator (SOSC) response team participated in Oil Spill table-top

exercises with all major State Oil users, CHEVRON, TESORO, HECO, ASI, and others.

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.

#### **Reclaiming Contaminated Properties**

For FY 2010, 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.

### **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.

### **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, and protect federal funding. This oversight work is funded through the federal DSMOA grant.

The HEER Office, in partnership with US EPA and DLNR, has been providing oversight and technical guidance to the US Army Corps of Engineers investigation of hazards from historic munitions disposal at Ordnance Reef, off the Waianae Coast. Results from a detailed investigation of sediments, fish, crab, octopus, and seaweed show no detections of explosive compounds that could cause harm to human health.

### **Encouraging Economic Redevelopment**

HEER Office facilitates safe, efficient, and timely redevelopment of brownfields properties and conversions of former agricultural lands.

### **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. This year, HEER used federal funding to add a Cleanup Checklist to our toolbox to increase approval for responsible party first draft documents. The Cleanup Checklist is located on the DOH HEER website at: <http://hawaii.gov/health/environmental/environmental/hazard/reportreview.html>

### **Rapid, Effective Assessment of Former Agricultural Land**

Using federal PA/SI funding, DOH has sampled sugar cane fields across the state to evaluate residual pesticide concentrations that could affect future neighborhood developments. Work is currently underway to similarly evaluate former pineapple fields. State of the art guidance is available to developers on how to rapidly and accurately assess large tracks of land for residential uses.

Our comprehensive Technical Guidance Manual for the implementation of site investigations and cleanups is found at: <http://www.hawaiidoh.org/>

Environmental Health Evaluation guidance that can be used to expedite the identification of potential environmental hazards at sites with contaminated soil and groundwater and assist in the cleanup and redevelopment of these properties is found at: <http://hawaii.gov/health/environmental/environmental/hazard/eal2005.html>

### **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 2010, using federal funding, we reached out to the public through our new electronic newsletter, the HEER News, new fact sheets, updated guidance, our website, and a workshop. Fact Sheets targeted to homeowners on Soil Arsenic and Arsenic in Canec building materials were completed and posted to the HEER website in FY2010. In addition, fact sheets on organochlorine termiticides and an associated sampling guide for organochlorine termiticides at

residential sites were completed. A fact sheet on evaluation and sampling of fill materials targeted to the general construction industry is expected in early FY 2011. The latest news is available at:

<http://hawaii.gov/health/environmental/environmental/hazard/index.html> Technical updates and workshop information can be found at: <http://hawaii.gov/health/environmental/environmental/hazard/eal2005.html>

#### **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 huge 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 2010, 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. Data related to mercury monitoring for the WIC Program (Special Supplemental Nutrition Program for Women, Infant, and Children Program) pesticide and heavy metals surveillance, and, childhood and adult lead blood lead surveillance was evaluated.

#### **Mercury Biomonitoring Project**

In Hawai'i, fish is a traditional staple protein food for Hawaiians and an integral part of island culture. Fish is also a favorite among other Pacific Islander and Asian peoples living in Hawai'i. Fish consumption is promoted by the Hawai'i State Department of Health (DOH) because of its health benefits. However, many of the popular types of fish (i.e. ahi tuna) consumed in Hawai'i contain levels of mercury that may be harmful to the developing brain.

To reduce uncertainty related to mercury exposure estimates, the HEER Office continues its collaboration with State Laboratory Division, State Emergency Medical Services, Maternal and Child Health Branch and University of Hawai'i to offer free mercury hair testing in clients of the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) program. The objective of the project is to reduce unsafe mercury exposures in the vulnerable target population. Over 650 hair samples have been collected and analyzed, and the results have been provided to the WIC participants. Evaluation of the data is currently underway. This project is jointly funded by the ERRF and the EPA State Response Program (SRP) grant.

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

The recent 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.

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

In compliance with Chapter 128D, HRS, Environmental Response Law, this 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.

During FY 2010, no de-minimis settlements were implemented for remedial action sites.

128D, HRS funds may be used for the following:

- Removal or remedial actions consistent with Chapter 128D to deal with oil spill and hazardous substances releases.
- Oil spill planning, prevention, preparedness, education, research, training, removal, and remediation.
- Direct support for county used oil-recycling programs.
- To support environmental protection and natural resource protection programs; including but not limited to energy conservation and alternative energy development; and to address concerns related to air quality, global warming, clean water, polluted runoff, solid and hazardous waste, drinking water, and underground storage tanks (UST), including support for the UST program of the department and funding for the acquisition by the State of a soil remediation site and facility.

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

ERRF funding was allocated through the HEER Office to the Solid and Hazardous Waste Branch County's Oil Recycling Program. The ERRF set aside \$200,000 for the management of used oil and to educate the public on proper used oil disposal options. 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.

#### ENVIRONMENTAL RESPONSE REVOLVING FUND REVENUE

The "environmental response tax" established in the Fuel Tax Law, 243-3.5, HRS and deposited to the ERRF 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, and 2010, respectively, were \$1,695,473, \$1,589,612, and \$1,431,270.

Additional fund revenue is generated from fines, penalties, and interest that are variable amounts during any given year. Revenue to the ERRF totaled \$3,231,480. Table 1 presents the revenue collected as of June 30, 2010.

#### KEY ERRF REVENUE LEGISLATION

In FY 2010 the Legislature passed H.B. 2421 C.D. 1 Relating to Government. The measure raised the Environmental Response Revolving Fund (ERRF) 5-cents per barrel petroleum tax to \$1.05 with the additional revenue amounts 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 will be 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. The remaining 60-cents will be deposited to the General fund. The measure also exempted aviation fuel from the ERRF per barrel petroleum tax.

The DOH is concerned about lower barrel tax revenues, both in the near and long terms. The aviation fuel exemption is one factor. Another is that oil companies may pass the higher tax to Hawai'i consumers, already paying the highest gas prices in the nation, depress consumption, and actually reduce ERRF net revenues to DOH. The Department of Taxation has estimated that the ERRF

tax rate for DOH would need to be increased to between 7.3 and 9.5 cents to maintain the revenue levels before the aviation fuel exemption. Long term, under the Hawaii Clean Energy Initiative, Hawaii has committed to reducing fossil fuel consumption from about 90% to 30% by 2030, and most fossil fuel in Hawaii is oil.

The DOH uses the ERRF to respond to and cleanup oil spills and hazardous materials releases to the environment when the polluter does not. The fund supports 39 positions within five environmental programs, HEER Office, EMD, CWB, SDWB, and SHWB. Should the measure lead to reduced income allocated to the ERRF, the Department may not be able to carry out its statutory duties. We are apprehensive about any measure that may lead to reducing the existing 5 cents per barrel tax rate allocated to the ERRF or the net income to the fund.

#### ENVIRONMENTAL RESPONSE REVOLVING FUND EXPENDITURE

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).

Budgets were appropriated to the Hazard Evaluation and Emergency Response (HEER) Office (\$3,337,998), the Environmental Management

Division (EMD) (\$83,585), the Clean Water Branch (CWB) (\$289,134), the Safe Drinking Water Branch (SDWB) (\$670,411), and the Solid and Hazardous Waste Branch (SHWB) (\$740,603). Total ERRF appropriation for the five programs was \$5,121,730.

The State expended \$3,210,182 of \$5,121,730 appropriated to fund five HTH 849 and HTH 840 environmental programs. The individual draw-downs from the ERRF were \$1,455,207 to the Hazard Evaluation and Emergency Response (HEER) Office, \$194,764 to the Clean Water Branch, \$831,622 to the Safe Drinking Water Branch, and \$728,589 to the Solid and Hazardous Waste Branch. The monies appropriated to EMD were actually expended directly from the SHWB budget. A minimum of \$1,600,000 of the ERRF allotment is held in reserve each year pending its use towards a major chemical and/or terrorist related emergency response action.

Table 2 presents a summary of the amounts appropriated and expended for each of the five EHA programs.

#### HAWAII 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'.

**Table 1 Environmental Response Revolving Fund Revenue – FY 2010**

Revenue Source	HTH 840	HTH 849	Total
Environmental Response Tax	-	1,421,370	1,421,370
Investment Pool Account	1,540	37,846	39,386
Fees. Filing of Tier II Chemical Inventory	-	76,000	76,000
Fees, Voluntary Response Account	-	18,600	18,600
Violations of Air Pollution Law	-	1,138,900	1,138,900
Violations of Hazardous Waste Law	-	307,532	307,532
Violations of Water Pollution Law	-	171,636	171,636
Violations of Safe Drining Water Law	-	12,700	12,700
Violations of Community Noise Control Law	-	43,100	43,100
Miscellaneous Income	-	2,256	2,256
Total	1,540	3,229,940	3,231,480

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

**Table 2 ERRF Budget and Expenditure for Five EHA Programs - FY 2010**

		<u>Appropriation</u>	<u>Expenditure</u>
HEER-HTH 849-FD (14 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 Clerk Typist II, SR 08		
	A Funds	1,187,585	914,596
	B Funds	2,150,413	540,611
	C Funds	-	-
	HEER Subtotal	3,337,998	1,455,207
EMD-HTH 840-FE (1 Position)	1 Information Technology Specialist V, SR 24		
	A Funds *	83,584	*
	B Funds	-	-
	C Funds	-	-
	EMD Subtotal	83,584	-
CWB-HTH 840-FG (2 Positions)	1 Information Technology Specialist IV, SR 22		
	1 Env. Health Specialist IV, SR 22		
	A Funds	124,134	138,526
	B Funds	160,000	56,238
	C Funds	5,000	-
	CWB Subtotal	289,134	194,764
SDWB-HTH 840-FH (11 Positions)	1 Underground Injection Control Geologist II, SR 28		
	2 Underground Injection Control Geologist I, SR 24		
	1 Underground Injection Control Clerk, SR 08		
	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		
	2 Office Assistant III, SR 08		
	A Funds	670,411	782,784
	B Funds	-	48,838
	C Funds	-	-
	SDWB Subtotal	670,411	831,622
SHWB-HTH 840-FJ (11 Positions)	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 Clerk Typist II, SR 08 (UST)		
	A Funds *	725,603	728,589
	B Funds	15,000	-
	C Funds	-	-
	SHWB Subtotal	740,603	728,589
	<b>Total</b>	<b>5,121,730</b>	<b>3,210,182</b>

\* Payroll for the EMD ITS V position is budgeted to HTH 840-FG but expended from HTH 840-FJ

## **HAZARD EVALUATION AND EMERGENCY RESPONSE (HEER) OFFICE HAWAII STATE RESPONSE PROGRAM**

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.

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

In FY 2010 the ERRF funded 14 of the 28 permanent HEER Office positions. HEER staff worked with property owners, the environmental community, developers, and other state and federal agencies to implement solutions for eliminating risk of chemical exposure to humans and the environment.

Proportionally, during FY 2010 the ERRF, General fund, and federal grants funding to HEER Office financed 54, 9, and 37-percent respectively, of the total HSRP expenditures.

### **General Funding to the HSRP**

The HEER Office General Fund budget provides for personnel costs to 3 HEER staff. During FY 2010, personnel monies were expended to two Emergency Response team State On Scene Coordinators (SOSCs) and the HEER Office Manager.

### **Federal Funding to the HSRP**

EPA federal monies provide direct support for 3.5 HEER staff and are used primarily 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. During FY 2010, staff having ERRF appropriated positions worked directly within these HSRP task areas and other specific activities approved under two federal EPA cooperative agreements, thus providing a mechanism for HEER to supplement ERRF personnel expenditures with federal monies.

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 2010, EPA SRP funding allowed DOH to provide oversight of complex, high priority cleanups despite staff shortages, develop new cost-effective sampling techniques for petroleum contaminated sites, investigate Hawai'i-specific background conditions, evaluate risks from pesticide releases, update our electronic Technical Guidance Manual, provide support to interagency efforts to address unexploded ordnance (UXO) hazards offshore and on State properties, to enhance public awareness of hazards and safe management of contaminated properties, and to provide outreach to the regulated community.

**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 2010, 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 the following:

- Providing reliable daily backup.
- Ensuring users have access to their data files, email, and internet connectivity.
- Improving and upgrading network servers and connections.

Major milestones accomplished in FY 2010 were the establishment of multiple websites to provide information to the public. Additionally, the network manager provided project support to the SDWIS Viewer, HEER Time and Effort System, and CWB Water Quality District (WQD) projects.

**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 2010, 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 2010, separate state funding for three Conservation Specialists positions on Oahu, Kauai, and Hawai'i islands continued. Funding of \$150,000 was applied to the Hawai'i 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. The ERRF currently supports a staff of three geologists and one office assistant who administer the Hawai'i Underground Injection Control (UIC) Program for approximately 1,200 facilities projects statewide, and two environmental engineers who implement major drinking water regulations. One administers the Lead and Copper Rule, its revisions, and other related activities, while the other handles the Long Term 1 and 2 Enhanced Surface Water Treatment Rules and the Stage 1 and 2 Disinfectants/Disinfection By-Products Rules.

The ERRF also support an environmental health specialist and an office assistant involved in drinking water monitoring activities, and a staff of two, an environmental engineer, and an office assistant, to administer the Certification of Operators of Public Water Systems process. This staff compiles and maintains files on all existing certified operators, receives and prepares all applications for Board review, receives and processes all certification and testing fees, prepares the examinations, prepares all correspondence, conducts training, administers examinations, and tracks other state programs to see how they handle specific issues and more.

The ERRF supports the certification process by funding necessary 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 supports the SDWB Information Technology Specialist who is assigned the task of preparing the SDWB for the implementation of the Safe Drinking Water Information System/State data

management system. Other programs addressed with ERRF funding are the Capacity Development Program, Assistance to Owners and Users of Rain-Water Catchments Systems program, Circuit Rider Program, and Continuing Education Program for Drinking Water System Operators.

### **SOLID AND HAZARDOUS WASTE BRANCH (SHWB) WASTE MANAGEMENT PROTECTION**

ERRF funding is appropriated to 11 Solid and Hazard Waste Branch (SHWB) staff. In FY 2010 one staff funded by the ERRF was on military leave. During FY 2010 ten SHWB staff focused on the following activities.

- Used oil management and recycling.
- Special waste management, 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.

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 57 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.

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

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### 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 Hawaii, 2011 presents an accounting of Tier II fees collected during FY 2009 and distributed to the Local Emergency Planning Committees (LEPCs) on Hawaii, Oahu, Kauai, and Maui during FY 2010. The report also presents the amount of fees projected to be collected during FY 2011.

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 an annual notification of such “Tier II” activity, and pay a \$100 filing fee. 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 2010, 810 facilities filed Tier II notifications. However, not all facilities paid filing fees. Some provided notification for a facility closing, others reported a below limits qualification, and 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 2011 is likely to remain the same. This projection is based on the number of Tier II submittals received during FY 2009 and 2010.

#### Hawaii Revised Statute Chapter 128 Final Rules

A public hearing was held for HRS Chapter 128E HEPCRA Administrative Rules in March 2010. There was one written testimony submitted in the DOH which has been addressed. The draft rules are now in final stages of the rulemaking process.

#### U.S. EPA HEPCRA Workshops in Hawaii

In July of 2010, EPA and HEER Office hosted a series of outreach workshops on Oahu, Maui, and Hawaii islands. Invited guests included representatives from the Tier II reporting community and also owners and operators identified as potential reporting candidates. Information on the planned posting of the HEPCRA rules, and related topics such as facility requirements for reporting, inspection, and compliance were presented to the community.

#### HEPCRA Tier II Filing Fees Collected in FY 2009 and Distributed in FY 2010

	<u>Amount Collected</u>	<u>Amount Distributed</u>
FY 2009	77,700	67,908
FY 2010	76,000	70,813
FY 2011 projected	77,500	

	<u>Funds Distributed to the Local Emergency Planning Committees</u>	<u>Number of Reporting Facilities</u>
Honolulu	31,260	375
Hawaii	17,002	186
Maui	12,545	139
Kauai	10,006	110
Total	70,813	810

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## REPORT ON KEY HRS 128D ENVIRONMENTAL PROGRAM ACTIVITIES

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### HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE HAWAII STATE RESPONSE PROGRAM AND SITE CLEANUPS IMPROVED

The HEER Office is comprised of three operating sections, each addressing an important aspect of the Hawaii 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. The SOSCs have been 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.

During FY 2010, the HEER Office received a total of 331 notifications including 66 oil sheen notifications for the historic Chevron's Pipeline at Waiau CT10 area, for a total of 265 separate release cases. HEER Office State On Scene Coordinators (SOSCs) performed direct oversight on 45 cases requiring on-site visits or off-scene coordination. Due to staffing limitations, direct oversight of cases dropped 25% from 2009 despite steady notification rates.

The listing of FY 2010 release cases is presented at the end of this document. The Department of Health **Hawaii State Response Program Release Notification Log** contains a listing of all emergency hazardous substance and petroleum release notifications received by DOH HEER Office during the fiscal year. Notable among the spill responses during FY 2010 are the following:

#### **Keehi Lagoon Diesel Fuel Release**

On 5 September the HEER office received a call indicating a fishing vessel was sinking in Keehi Lagoon slip # 836. 150 gallons of diesel fuel was

onboard. The vessel was dewatered, all holes plugged and only a minor diesel sheen was observed. It was cleaned up with absorbent pads.



#### **Keehi Lagoon Diesel Fuel Release**

##### **F/V Lady Anna Diesel Spill**

On 30 October the Harbor Master at Barbers Point harbor reported that a sheen was seen coming from the dry dock at Barbers Point Harbor marine way. The fishing vessel Lady Anna was being removed and 3,000 gallons of diesel fuel was released from a bottom fuel tank that had a crack. The HEER Office emergency response contractor responded and conducted a cleanup of the harbor.



#### **Lady Anna Diesel Spill**

### **C/S Voge Trader Grounding**

On February 5, 2010, at approximately 7:25 a.m., a Liberian-flagged 734-foot cargo vessel, Voge Trader, ran aground on the Diamond Head side of the entrance channel to Kalaheo Harbor. A pilot was aboard. The vessel had not blocked the channel, but salvage operations prevented at least one vessel from entering the harbor. Tugboats pulled the ship free at 2:50 p.m. when the ship was refloated by shifting ballast to the port side. The Voge Trader, carrying coal, was towed to an anchorage to repair a crack to a double bottom fuel tank; a temporary patch was used.

The reef adjacent to the channel on the starboard side was damaged. There was no release of oil. A Natural Resource Damage Assessment (NRDA) claim for reef damage is pending.



**Voge Trader Grounded**



**Voge Trader Grounding at Kalaheo Barbers Point Harbor**

### **Hawaii Fueling Facilities Corporation-Airport Relief Valve Release**

On January 5, 2010, fuel from Sand Island was being transferred to the Airport facility. Prior to fuel reaching storage tank, one of safety valves failed causing pressure in relief valve to release between 80 to 120 gallons of jet fuel. Fuel was released to gravel with no impermeable liner. Approximately 90% of the spill was recovered to a mobile pump truck. The remaining materials were excavated and placed on a liner. The site has been turned over to the HEER Office Site Discovery, Remediation, and Assessment (SDAR) Section for further cleanup.

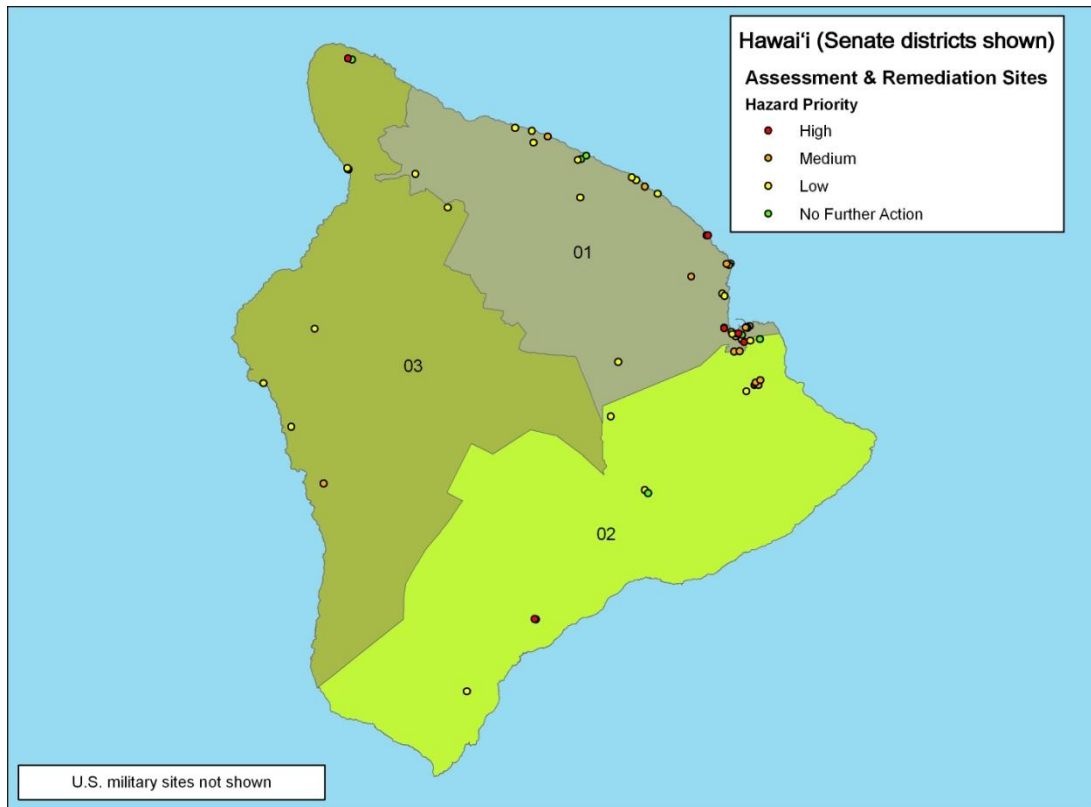
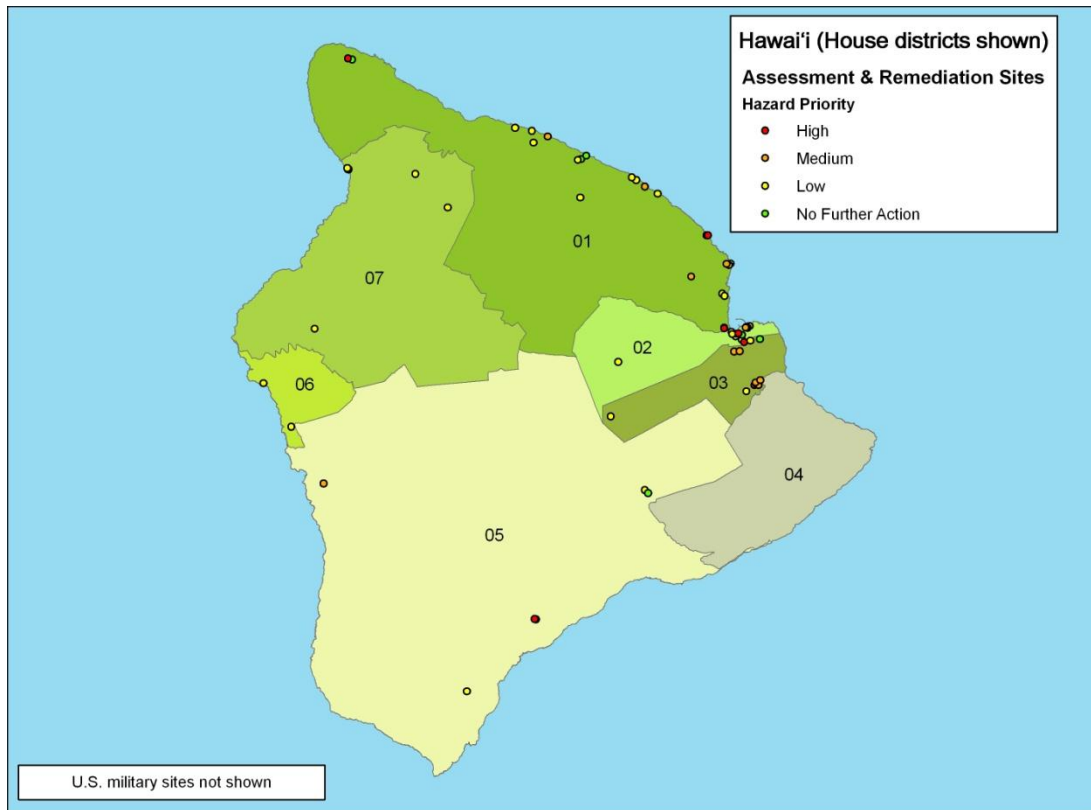
### **Chevron 30 inch Marine Mooring Replacement Line**

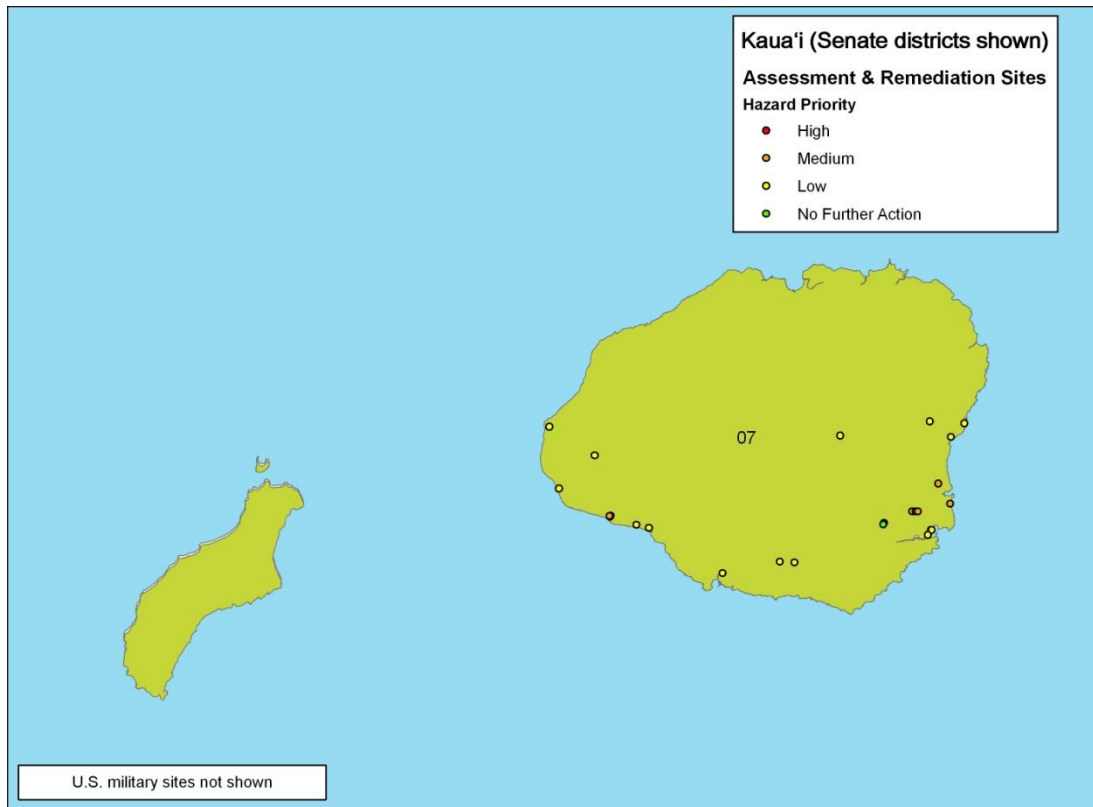
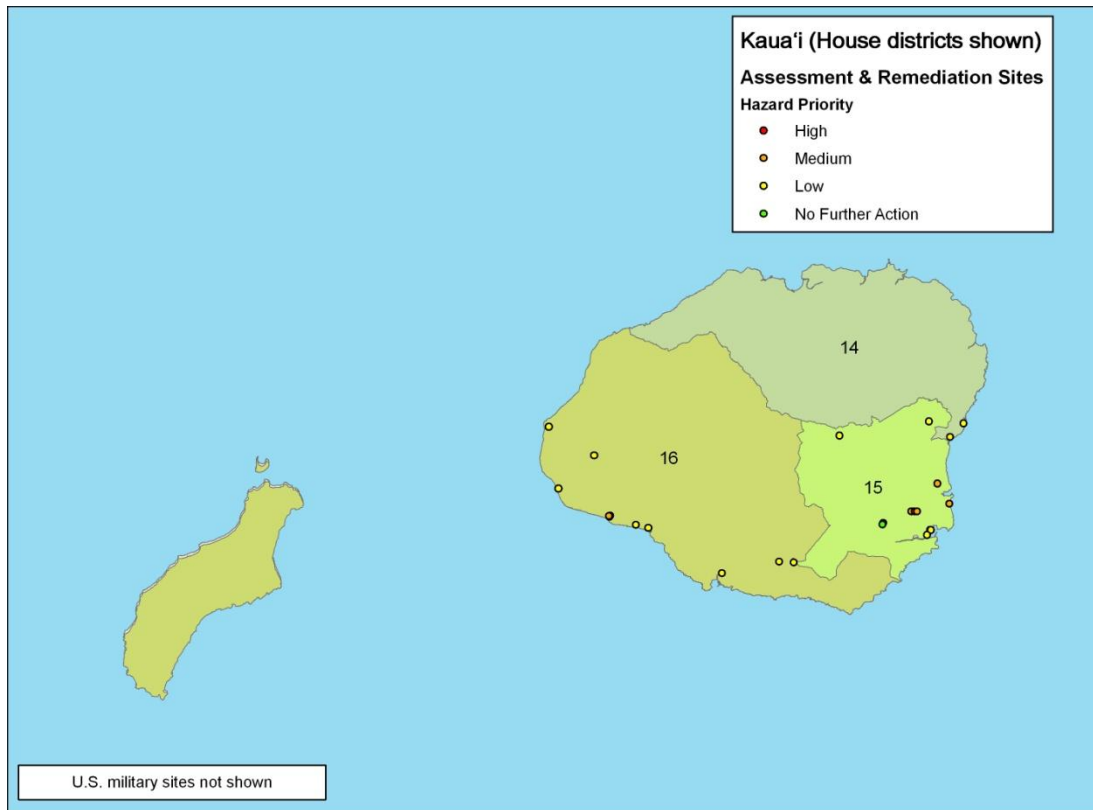
Between August 2009 and March 2010, Chevron conducted a 30-inch replacement project of their pipeline from the Campbell Industrial Park Generating Station (HECO Property) on Hanua Street to the Chevron 10-acre parcel at 91-039 Hanua Street. Approximately 4,268 feet of new 30-inch piping was installed. Approximately 3,097 tons of contaminated soil was disposed of. The replaced 30-inch pipeline remains idled and filled with fresh water.

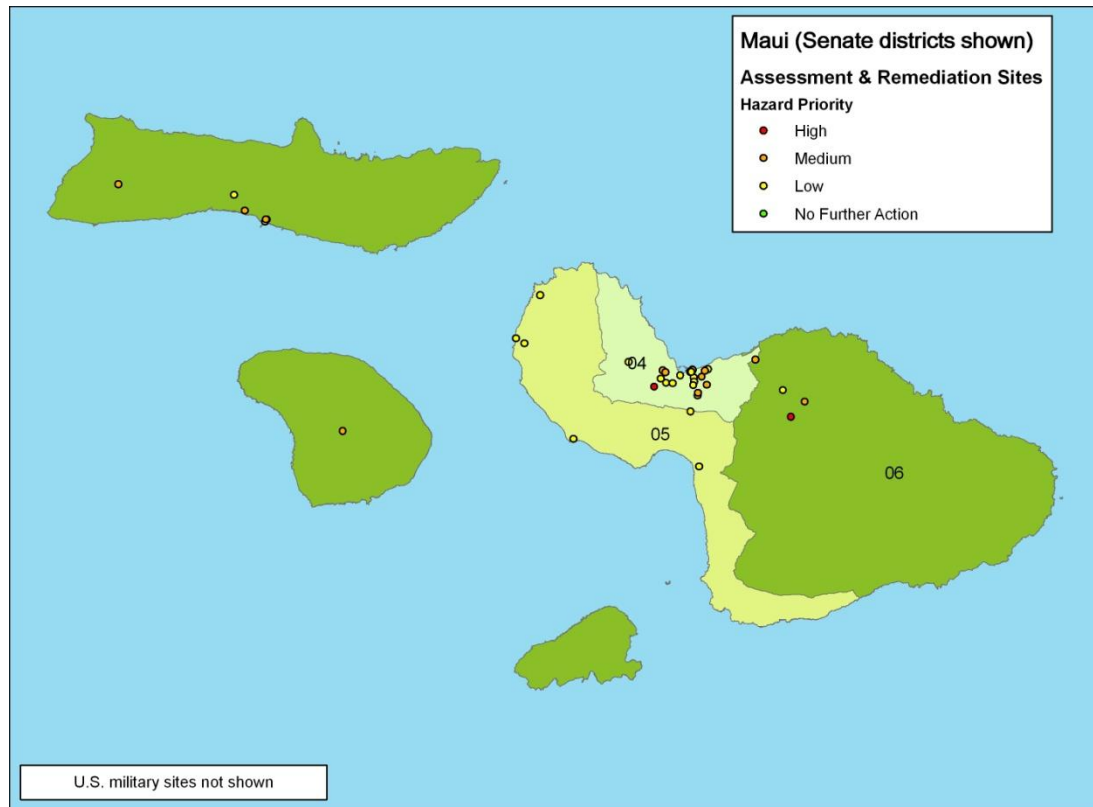
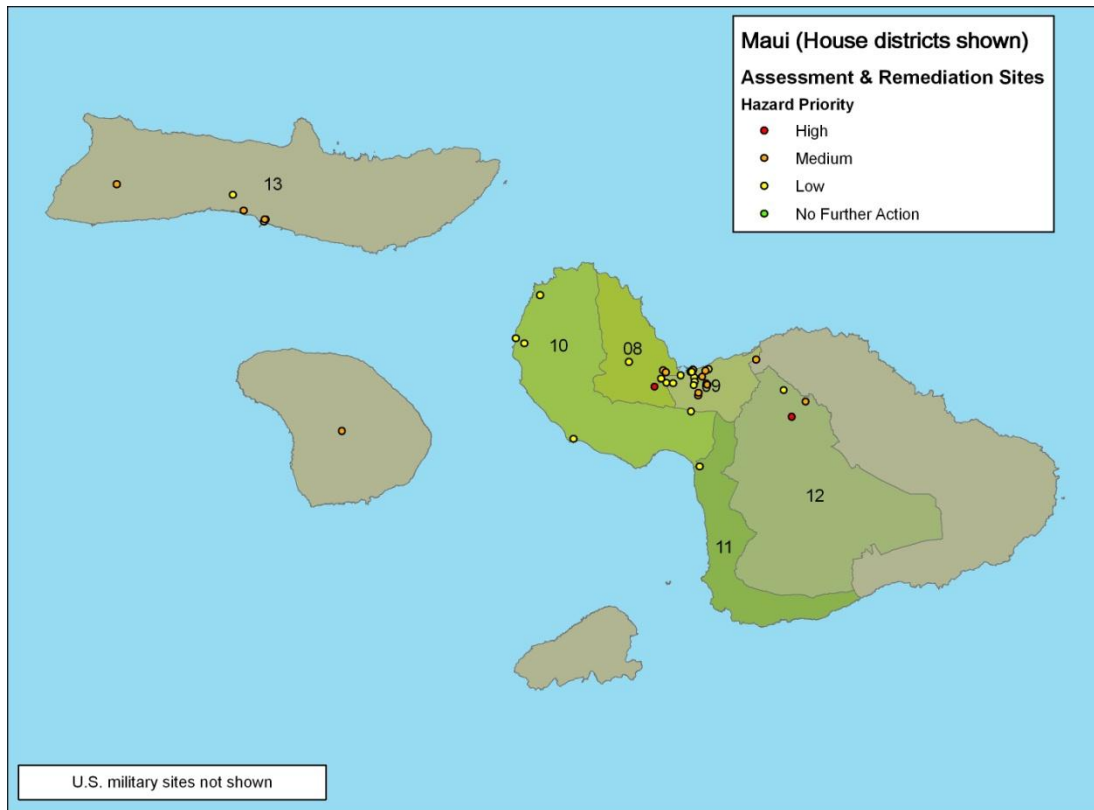
### **HAWAII STATE RESPONSE PROGRAM KEY STATE CLEANUP ACTIONS**

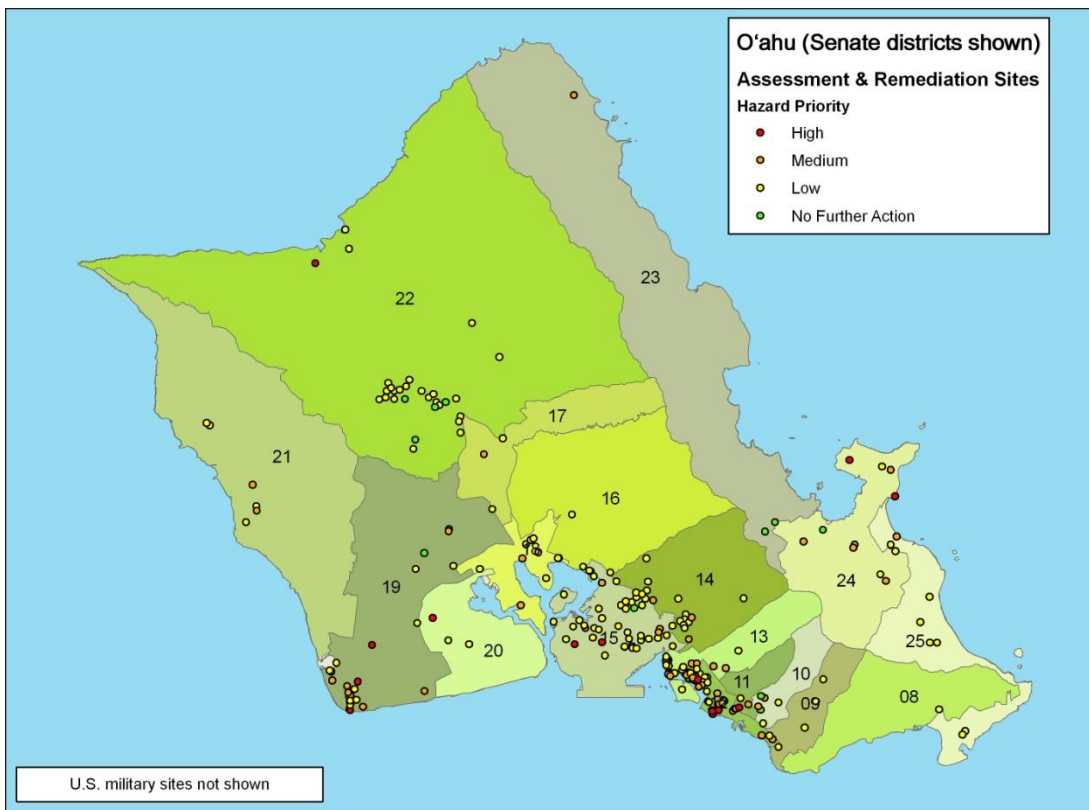
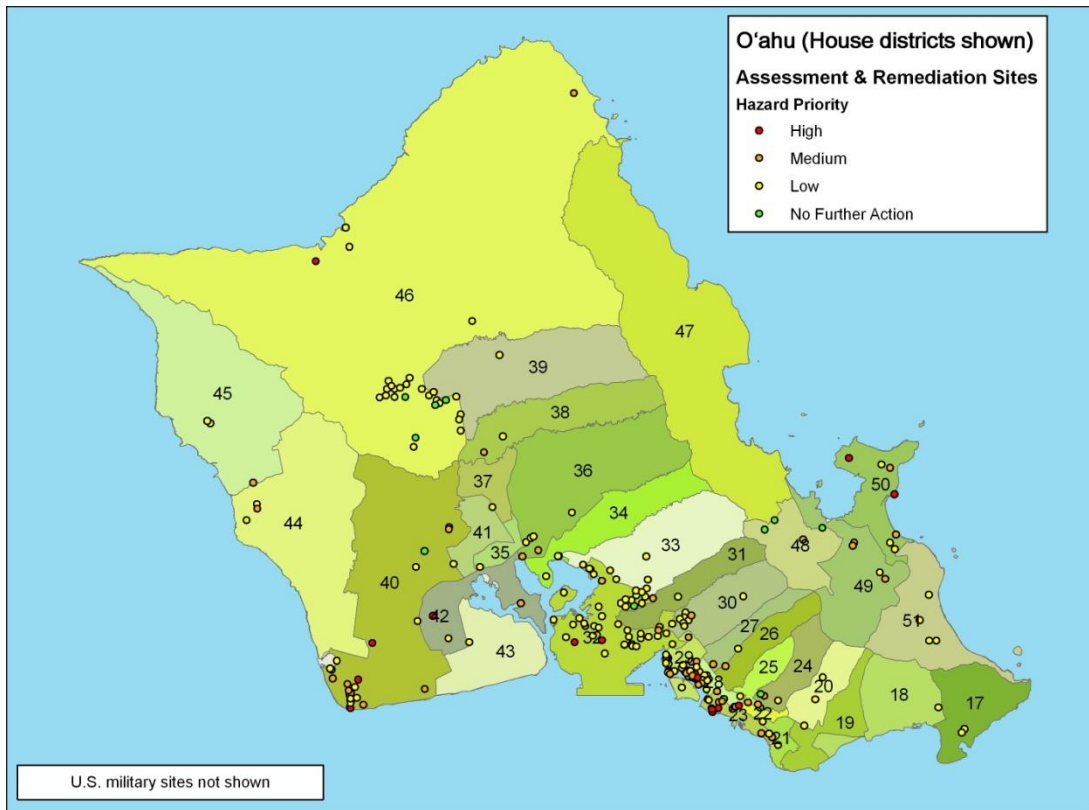
Assessment and cleanup activities are underway within HEER Office Site Discovery, Assessment, and Remediation (SDAR) Section on 453 Hawaii State Response Program sites and 378 federal DSMOA Program sites. The maps on the following pages present a distribution of the state sites for the legislative districts in Hawaii, Kauai, Maui, and Honolulu counties. Our website has downloadable lookup spreadsheets providing updates on these sites at

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









### **Lists of HSRP Sites**

The List of Sites Eligible for Remedial Action under the EPA's Comprehensive Environmental Response Compensation and Liability Act (CERCLA) shows there are currently three sites listed on EPA's CERCLA National Priority List (NPL) for cleanup, and 9 sites evaluated by the EPA Preliminary Assessment/Site Inspection (PA/SI) Program for possible listing under CERCLA.

The listing of prioritized sites required under 128D, HRS are presented at the end of this document, in two tables. These lists 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).

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. The list shows 453 sites are managed under state authority within the HEER Office. Current ERRF funding supports only part of the HEER Office response obligation.

The number of sites on the Hawai'i State Response Program List of Priority Sites remains static, due to the ongoing identification of new sites through HEER Office site discovery efforts and voluntary investigation actions from property owners. Over the past two fiscal years, for example, a total of 105 state sites have had No Further Action Determinations and 94 new sites have been added.

The **Department of Defense Program List of Priority Sites** presents 378 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.

The number of sites on the **Department of Defense Program List of Priority Sites** 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 2009, clean up decisions were reached at 73 DSMOA sites, with remedy completion at 47 sites. This fiscal year, there were 39 sites with cleanup decisions, and 26 that reached remedy completion.

**Together, the Hawai'i State Response Program and DOD Program Lists of Priority Sites** shows 831 sites with potential or known hazardous substance or petroleum contamination. In FY 2010, 75 sites were determined to require No Further Action (NFA). 39 of the sites receiving NFA determinations during FY 2010 will be monitored for land use restrictions. HEER Office Remedial Project Managers (RPMs) continue oversight on 471 medium and high priority assessment and response actions. Because of budget restrictions, oversight of 285 low priority sites has slowed, lessening the number of these sites returned to economic reuse compared with previous years.

### **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.

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

The Agreement on Remedial Action for this highly contaminated site has been transferred from BHP Hawai'i to Weston, Inc. Despite earlier cleanup efforts that removed 30 tons of volatile organics from the site, contaminant levels remain high in the soil and groundwater and HEER Office has required

additional work. A second interim remedy was pilot-tested this year using an in-situ Chemical Oxidation using a modified Fenton's Reagent mixed with 8% peroxide. Approximately 600,000 pounds of peroxide was injected in over 200-400 injection points throughout the site and the soil vapor extraction system on site from previous remediation efforts was be used to collect soil gas vapors generated by the oxidation of the subsurface contamination. DOH stopped the pilot project in September, 2010 due to explosive safety concerns. A final remedy for the site will be selected after re-evaluations of feasible options in the Remedial

Alternatives Analysis and public comment on the proposed final remedy.

#### **Lowe's Iwilei**

The proposed Lowe's site in Iwilei was approved as a Voluntary Response Program (VRP) site in February 2005. Construction of the Lowe's store has commenced which includes improvements to utility corridors on and adjacent to the property. Off-site activities are being carefully monitored to ensure that contamination related to the site do not pose a threat to human health and the environment. Estimated time to completion for the store is January 2011.



#### **New Lowe's Store Construction in Iwilei**

##### **East Kapolei, Oahu**

The East Kapolei Former Pesticide Mixing and Loading site located in the Ewa Plain area of O'ahu

was contaminated with dioxin as a result of activities related to sugar cane cultivation. The State acquired the site in 1994 through condemnation and title to some 400 acres was transferred to Department of

Hawaiʻian Home Lands (DHHL) in February 2009. The site and area surrounding the site are planned for an affordable residential development by DHHL. Careful sampling and investigation led by the HEER Office cleared all but one acre of any contamination concerns.

DOH is working closely with DHHL on cleanup of the small, highly contaminated mixing area prior to development construction. Under HEER oversight, DHHL developed and presented a list of Remedial Action Alternatives to the public to identify safe and appropriate remedies for the pesticide mixing area. After a thorough public involvement and comment process, DOH approved DHHL's recommended

alternative to safely isolate contaminated materials under a permanent, physical barrier.

The regulatory oversight of cleanup activities is being implemented under an Agreement for Remedial Action signed by DOH and DHHL in August 2009. Cleanup funding assistance is being provided to DHHL through a Brownfields Cleanup Grant from the EPA Revolving Loan Fund administered by the Hawaiʻi State Department of Business, Economic Development, and Tourism (DBEDT). Detailed information about the cleanup, including community involvement activities and final decision documents are available at

<http://hawaii.gov/dhhl/publications/east-kapolei-ii-pesticide-mixing-and-loading-site>



**Post-Demolition at East Kapolei Mixing Area**

#### **Former Kahuku Sugar Mill, Oʻahu**

The former Kahuku Sugar Mill site is located in the northeast portion of the island of Oʻahu. The site was operated as a sugar mill between 1890 and 1971, then was leased, renovated, and run as a museum, retail mall, and general tourist attraction

into the 1990s. Past operations at the mill resulted in soil and groundwater contamination by petroleum products and organic solvents. This site entered the VRP program in 2004. Site investigations were completed in 2006, and remedial actions selected in 2007. Extensive site remediation efforts were completed by late 2009 and a final NFA with

institutional controls was issued in January 2010. Some petroleum contamination remains on site below thick foundation slabs or buried under a soil cap for long-term management on-site. A Long-term Environmental Hazard Management Plan is required to be maintained at the site, and land use is limited to commercial or industrial use.

#### **Key Federal 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 378 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. 39 decision documents at military installations were completed this past year. Of these, remedial activities were completed at 26 sites and 13 final cleanup decisions were made, covering 48 different contaminated areas, including 35 individual transformer sites. In addition to these activities, assessments, hundreds of investigations and cleanup activities are ongoing at individual sites on major installations across Hawai'i.

#### **Key Air Force Site Cleanup Decisions**

##### Hickam Air Force Base Site Closures:

- Site SS24, Reef Taxiway

##### Bellows Air Force Station Site Closures:

- Site LF24, Pier Dump Projection Completion Report

##### Hickam POL (Petroleum, Oil, Lubricants) Sites Closures:

- DA30, Abandoned Drum Site
- ST20, Spill Site 20
- ST25, Spill Site 25
- ST26, Spill Site 26

#### **Key Army Site Cleanup Decision**

##### Site Closures:

- Pistol Range, Fort Shafter
- Key FUDS Cleanup Decision
- FUDS Closures:
- Engineer Base Yard (FUDS Project No. H09HI007401)
- Kamaole Training Area (FUDS Project No. H09HI015701)

#### **Key Navy Site Cleanup Decisions**

##### Records of Decision & Closures:

- Former Drum Crushing Area, Barbers Point NAS
- UST NABP-89, Barbers Point NAS
- AST 1253, Kaneohe Marine Corps Base Hawai'i
- Transformer Sites, NCTAMS
- Multiple (8) UST closures, Pearl Harbor Naval Complex
- Ford Island Hazardous Substance and 32 Transformer Sites, Pearl Harbor Naval Complex
- Ford Island Buildings 284, 80, & 302, Pearl Harbor Naval Complex
- Transformer Sites, Pearl Harbor Naval Complex
- Former Electric Shop (SWMU0022), Pearl Harbor Naval Complex
- Naval Inactive Ship Maintenance Office (NISMO) Facility, Pearl Harbor Naval Complex
- Site UXO001, Pacific Missile Range Facility
- Emergency Open Detonation Area, Naval Munitions Command East Asia Division Detachment Pearl Harbor, Lualualei Branch

#### **Pearl Harbor Update**

The Pearl Harbor Naval Complex was placed on EPA's National Priority List (NPL) in 1992. A Federal Facilities Agreement for investigation and cleanup of Pearl Harbor was signed by the Navy, EPA, and DOH in 1994. The site consists of several individual

investigations that are being conducted concurrently. In many cases, the Navy has opted to use removal actions to quickly address high priority environmental concerns, while working on a parallel course with EPA to complete the full CERCLA requirements needed to reach final closure on the contaminated sites.

EPA invoked dispute resolution with the Navy in May 2007 over the sediment investigation in Pearl Harbor due to concerns about data gaps in the investigation. Intensive, cooperative work between EPA, DOH, and the Navy has resulted in execution of a major additional field sampling effort to collect sediment core samples and fish tissue needed to close the identified data gaps.



**Fish Sampling in Pearl Harbor**



**Goatfish samples to be analyzed for pollutants**

The Remedial Investigation Addendum Report was approved by EPA and DOH in summer, 2010. Planning work is underway to begin identifying appropriate remedial alternatives to reduce risk to the ecosystem.

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

Active redevelopment of old military housing projects is underway across Oahu. The HEER Office has worked closely with DOD's public-private venture partners to establish approved, programmatic approaches to managing pesticide-impacted soils to ensure investigation and safe management of contaminated soils exposed during construction of military family housing in neighborhoods affected by historic use of termiticides used in building foundations. 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.

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

#### **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. There are a total of 12 active VRP sites in the program.

Responsible parties with sites participating in the VRP are paying the State for DOH oversight of their remedial activities. In FY 2010, the VRP program recovered or invoiced a total of \$23,550 in program costs from responsible parties.

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

Historic uses of properties statewide have left behind hazardous substances that can pose significant threats to the natural environment or future users exposed to contaminated soils or groundwater. The State's Site Discovery Program targets areas where there is evidence of extensive historic usage, storage or mixing of hazardous chemicals, as these areas can be highly contaminated, posing risks to present or future residential developments. In FY2010, HEER added heavily used industrial areas to its Site Discovery priorities. Using a combination of historical research, local interviews and rapid field sampling of suspect areas, DOH rapidly assesses and manages potential hazards from newly discovered sites.



**Sediment Sampling in Industrial Canal Drainages**

#### **Bona Fide Prospective Purchasers Amendment Signed into Law**

As a result of extensive consultation with stakeholder groups over a two year period, DOH proposed draft legislation amending HRS 128D to provide state consistency with federal law on the liability of bona fide prospective purchasers and contiguous property owners for contaminated land. With strong leadership from Representative Morita and Senator Gabbard, the bill language passed and was signed into law in July, 2009. This important

amendment encourages safe and successful redevelopment of contaminated properties in Hawai'i.

#### **Cost Recovery**

HRS 128D provides legal authority to cost recover for DOH oversight of remedial activities at contaminated sites in Hawai'i. In FY 2009, DOH received \$118,150.00 for oversight expenses for the Honolulu Harbor and GASCO cleanup sites in accordance with the terms of the respective Agreements for Remedial Action.

#### **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 2010, 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 (mildew, cleaners, paints), and other illnesses potentially related to the environment. The Department's health surveillance system in 2007 is described at <http://hawaii.gov/health/about/legprpts2007/> 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. Data related to mercury monitoring for the Women, Infant, and Children (WIC) Special Supplemental Nutrition Program pesticide and heavy metals surveillance, and, childhood and adult lead blood lead surveillance was evaluated.

#### **Biomonitoring WIC Participants - Hair Analysis for Mercury Exposure**

In October 2008, the DOH in collaboration with the University of Hawai'i began a biomonitoring project to assess exposure to mercury in childbearing-aged women and young children volunteers attending

WIC clinics. The main source of mercury exposure is through consumption of fish. Fish consumption is promoted by the DOH because of its health benefits. However, many of the popular types of fish (i.e. ahi) consumed in Hawai'i contain levels of mercury that may be harmful to the developing brain.

Human biomonitoring data are helpful to public health officials as they develop balanced fish consumption advice. The correlation between hair and blood mercury has been well characterized. Hair mercury levels reflect exposure from a multi-species seafood diet.

The EPA recommends that hair levels should be less than 1.2 part per million for pregnant women to protect the developing fetus from harmful effects. This level is 10 times lower than the lowest levels linked with harmful effects, so has a built in safety factor to protect against harm.

Participant recruitment and hair testing has been completed. To date, approximately 650 hair samples have been collected, analyzed, and reported to the participants. Preliminary analysis of the data indicate that while approximately 40% of participants exceed the Environmental Protection Agency's action level of 1.2 ppm, no participants exceeded 12 ppm, the level considered harmful for the developing fetus. In addition to the mercury analysis, the feasibility of using hair arsenic levels to identify individuals at risk of excessive arsenic exposure is being evaluated.

#### **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. 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, 2009 and June 30, 2010 showed 18 children out of 6,411 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 2,650 adults were reported to HEER from July 1, 2009 to June 30, 2010. One individual exceeded a blood lead level of 25 ug/dl while 8 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 level in adults.

#### **Blood Mercury Levels**

HEER collects information on blood mercury levels. The main source of mercury is through consumption of fish. Blood mercury tests from 2,459 people were reported to DOH from September 2007 to August 2009. The gender distribution was approximately equal with 1,202 females and 1,257 males being tested. About 38% of the women of childbearing age exceeded EPA's Reference Dose of 5.8 µg/L, a health protective level to protect the developing fetus from harmful effects. This level is 10 times lower than the lowest levels linked with harmful effects, so has a built in safety factor to protect against harm. No women of childbearing age exceeded 58 µg/L the level considered harmful for the developing fetus. Education efforts continue to advise women of childbearing age to choose fish with lower levels of mercury during pregnancy and nursing.

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

During FY 2010, 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 2010, all public water system 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.
- Initiated a contract to conduct the sanitary surveys of the Honolulu-Windward-Pearl Harbor and Waipahu-Ewa-Waianae water systems, which are the two largest public water systems in the state.
- Implemented a contract to continue Circuit Rider water system training and assistance for an additional five years.
- Received 121 Underground Injection Control applications, issued 23 approvals to construct, 49 operating permits, and closed 41 injection well facilities.

### **Lead and Copper Rule Administration**

Throughout FY 2010, all public water systems in the state had lead and copper concentrations in the tap water below the 90<sup>th</sup> percentile action levels.

### **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 resulting disinfection by-product levels in the water are kept at safe levels.

### **Protection of Existing and Potential Underground Sources of Drinking Water (Hawai'i 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, permitting protects existing and potential underground sources of drinking water by assuring that the facilities have proper separation from drinking water wells and that they only inject waste fluids that meet specified discharge standards. 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 Hawai'i 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 2010, the program had 191 certified water treatment plant operators and 510 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 Rain-Water Catchments Systems**

During FY 2010, 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 third reprinting (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 2004, more than 20,000 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 final 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.

### **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 implementation of the Total Coliform Rule portion of SDWIS/State has preceded smoothly with neighbor island and Oahu staff entering the water system microbiological data. Also during FY 2010, 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.

### **Capacity Development Program**

The capacity development program is administered within the Safe Drinking Water Branch. The Safe Drinking Water Act Amendments of 1996 mandated that new, proposed public water systems must demonstrate adequate technical, managerial, and financial capacity to comply with current and future drinking water regulations. Recently, the branch updated its pre-construction and post-construction/start-up capacity guidance documents, drawing on lessons learned on past projects, as well as providing more specific guidance to prospective water systems, on how to better address the capacity issues in today's challenging economic climate. While many have had discussions on developing water systems to service their various projects, no proposals for new public water systems were actually received in FY 2010.

The other aspect of the capacity development program is aimed at improving the technical, managerial, and financial (TMF) capacity of existing public water systems. During FY 2010, these efforts continued to focus on the providing of assistance through operator training and the circuit rider program.

### **Circuit Rider Program**

The circuit rider program managed by the SDWB requires that an individual experienced in water system operation visit privately owned small water systems on a periodic basis. The Safe Drinking Water Branch has successfully implemented a second five-year contract for the circuit rider program beginning in October 2009. Originally covering privately-owned water systems serving under 3,300 persons, the contract was subsequently expanded to double the number of circuit rider visits per quarter, and allow circuit rider assistance to all systems statewide (except for systems serving over 10,000 people), resulting in an increased awareness of technical, managerial, and financial (TMF) needs statewide and a higher level of regulatory and compliance understanding by the assisted water systems.

The circuit rider program provides a variety of services as follows:

- Assist water system operators in correcting any operational problems.
- Train operators on how to prevent contamination of their water source(s) and storage tank(s).
- Help managers understand the drinking water regulations.

- Help prepare new water system operators for the national certification examination.
- Provide assistance to improve the capacity of the system.

Safe Drinking Water Branch staff has noted positive results when performing sanitary surveys of water systems previously visited by the circuit rider.

### **Continuing Education Program for Drinking Water System Operators**

The Safe Drinking Water Branch worked with the local office of the National Rural Water Association to develop and implement a continuing educational training program for drinking water system operators throughout the state. During FY 2010, the National Rural Water Association offered courses on Oahu, Kauai, Molokai, Maui, and Hawai'i, both Kona and Hilo. Eleven different courses, typically each with 3 contact hours were offered, free of charge, at every site for nine months.

In addition, the Safe Drinking Water Branch worked with the OCT Academy to offer a three-day, distribution system operator certification test preparation course on Oahu and Maui.

## **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 ground water monitoring (Chevron Refinery, Tesoro Refinery, Hawai'ian Western Steel, and Chemwood). The Department receives approximately 3-4 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.

The Hazardous Waste Permit Writer is currently reviewing and drafting a new hazardous waste permit for Pearl Harbor Naval Shipyard. This permit is for storage of low level radioactive waste mixed with hazardous 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 landfills, petroleum contaminated soil (PCS) remediation facilities. Another major focus is the permitting and oversight of Auto Salvage facilities where a primary concern is the proper management of gasoline, oil and other automotive fluids removed from the vehicles. Currently the Engineer has responsibility for more than 27 permitted entities, which deal directly or indirectly with oil related issues.

### **MANAGEMENT OF LEAKING UNDERGROUND STORAGE TANK SITES**

The SHWB total number of active Leaking Underground Storage Tank (LUST) sites is 192. The

Environmental Health Specialist (EHS) III has an active caseload of 57 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.

#### **INSPECTION OF UNDERGROUND STORAGE TANK FACILITIES**

SHWB staff conducted 189 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.

The field citation is similar to a traffic ticket and is issued for easily verifiable and correctable violations.

The citation penalty amounts are lower than traditional enforcement tools. Citations are usually issued in the field at the time of an inspection. The owner or operator must return to compliance and pay the penalty within 30 days of issuance of the citation.

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.

#### **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. The Hazardous Waste Section has received and responded to approximately 30 used oil related complaints so far this calendar year.

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**LIST OF HAWAII SITES ELIGIBLE FOR REMEDIAL ACTION UNDER THE EPA'S CERCLA**

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Chapter 128D, HRS, Environmental Response Law requires that the department publish a listing to identify Hawaii sites eligible for remedial action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

There are currently three sites in Hawaii listed on EPA's CERCLA National Priority List (NPL) for cleanup. Schofield Barracks was de-listed on August 10, 2000.

**List of NPL Sites - FY 2010**

	<b><u>Island</u></b>	<b><u>Locality</u></b>	<b><u>Facility/Site Name</u></b>
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 2010**

	<b><u>Island</u></b>	<b><u>Locality</u></b>	<b><u>Facility/Site Name</u></b>
1.	Oahu	Waialua	Waialua Sugar Company Inc and Waialua Sugar Mill Settling Ponds
2.	Kauai	Kekaha	Kekaha Sugar Mill
3.	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road
4.	Oahu	Honolulu	Kapalama Incinerator and Kapalama Incinerator Off Site Contamination
5.	Molokai	West Molokai	Kalamaula Landfill
6.	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond
7.	Oahu	Kailua	Honolulu Skeet Club
8.	Kauai	Puhi	Brewer Environmental Industries-Kaumualii Highway
9.	Oahu	Honolulu	Pukoloa Wood Treating Site

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## HAWAI'I STATE RESPONSE PROGRAM SITE LIST

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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 DOH Hawai'i State Response Program List of Priority Sites** shows 453 sites with potential or known hazardous substance or petroleum contamination. 30 sites were determined to require No Further Action (NFA). Ten of these closed sites have some residual contamination on site after cleanup that can be safely managed with use restrictions. HEER Office Remedial Project Managers (RPMs) continue active oversight on 423 assessment and response actions. Twelve of these sites are PCB cleanups conducted under the Toxic Substances Control Act (TSCA), being overseen by USEPA.

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 2010 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 six 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. EPA Toxic Substance Control Act (TSCA) sites, and
6. 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.

## FY 2010 Response Program Activity Summary

Number of Sites	Program Category	Program Action	Site Status			
			High Priority	Medium Priority	Low Priority	Remedy Complete
383	State	Assessment	2	18	184	4
		Response	25	55	77	18
18	Brownfields	Assessment	-	2	6	2
		Response	2	4	2	-
8	VRP	Assessment	2	-	-	-
		Response	3	3	-	-
32	EPA PA/SI	Assessment	-	8	8	5
		Response	1	7	2	1
12	EPA TSCA	Assessment	-	-	2	-
		Response	-	6	4	-
378	DSMOA	Assessment	16	89	169	3
		Response	8	18	19	16
		Remedy Selected (39 sites)*	0	12	1	26
831	Totals		59	223	474	75

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

The **Hawai'i State Response Program List of Priority Sites** is sorted in order of Island, Locality, the Program Area, and the Facility/Site Name. The site Priority, Action and Potential Hazard are also identified for each Facility/Site. Sites are categorized as a potential hazard when sampling data indicate that contaminant concentrations exceed Hawaii Environmental Action Levels. Generally, these conservative action levels are set to be protective of long term, daily exposures. Hazards are managed by removal or destruction of the contaminants (No Hazard), use restrictions that limit access to the contamination, (Institutional Controls), or physical barriers that limit exposure to the contaminants (Engineering Controls).

Separate lists are presented. The **Hawai'i State Response Program List of Priority Sites** lists 453 active sites under direct DOH oversight in the various State programs. The **Department of Defense Program List of Priority Sites** lists an additional active 378 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities.

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

**Hawai'i State Response Program List of Priority Sites**

	<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 Control</u></b>	<b><u>Site Status</u></b>
1	Hawaii	Hakalau	Hakalau Sugar Mill	Low	Assessment	Hazard Undetermined	Ongoing
2	Hawaii	Hakalau	Hakalau Sugar Plantation	High	Response	Hazard Present	Ongoing
3	Hawaii	Hamakua	Agent Orange Application	Low	Assessment	Hazard Undetermined	Ongoing
4	Hawaii	Hilo	187 Silva Street	Low	Response	Hazard Managed With Institutional Controls	NFA
5	Hawaii	Hilo	Alamo Rent A Car, Hilo International Airport	Low	Assessment	Hazard Undetermined	Inactive
6	Hawaii	Hilo	Aloha Petroleum Hilo Bulk Plant	Medium	Response	Hazard Undetermined	Ongoing
7	Hawaii	Hilo	Big Island Asphalt Co Inc	Medium	Response	Hazard Present	Ongoing
8	Hawaii	Hilo	Equilon Enterprises LLC - Hilo Terminal (Shell Oil Co)	Low	Response	Hazard Present	Ongoing
9	Hawaii	Hilo	Hatada Bakery (Former)	Low	Response	Hazard Managed With Institutional Controls	Inactive
10	Hawaii	Hilo	Hawaii Cane Products Plant - Waiakea Pond	High	Response	Hazard Present	Ongoing
11	Hawaii	Hilo	Hawaii Pest Control	Low	Response	Hazard Present	Ongoing
12	Hawaii	Hilo	Hawaiian Sugar Planters' Association - Wainaku Experiment Station	NFA	Assessment	No Hazard	NFA
13	Hawaii	Hilo	HELCO Pipeline Release Hualani Hilo	NFA	Response	No Hazard	NFA
14	Hawaii	Hilo	HELCO Substation: Kuhio	Medium	Assessment	Hazard Present	Ongoing
15	Hawaii	Hilo	HIANG Hilo Building 702 Hydraulic Hoist	Low	Assessment	Hazard Undetermined	Inactive
16	Hawaii	Hilo	Highway 19, Mile Marker 28.5	Low	Assessment	Hazard Undetermined	Ongoing
17	Hawaii	Hilo	Hilo Quality Washerette	Low	Response	Hazard Managed With Institutional Controls	Ongoing
18	Hawaii	Hilo	Hilo Rubbish Dump	Low	Assessment	Hazard Undetermined	Inactive
19	Hawaii	Hilo	Hilo Safeway/Target	High	Response	Hazard Present	Ongoing
20	Hawaii	Hilo	Hilo Terminal 666 Kalaniana'ole Avenue	Low	Assessment	Hazard Undetermined	Ongoing
21	Hawaii	Hilo	Honohononui Quarry	NFA	Response	No Hazard	NFA
22	Hawaii	Hilo	Kanoelehua Industrial Warehouse	Low	Assessment	Hazard Undetermined	Inactive
23	Hawaii	Hilo	Kawailani Central Office	Medium	Assessment	Hazard Undetermined	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
24	Hawaii	Hilo	Keaukaha Military Reservation Container Disposal	Low	Assessment	Hazard Undetermined	Inactive
25	Hawaii	Hilo	Larry's Waiakea Chevron	Medium	Response	Hazard Present	Ongoing
26	Hawaii	Hilo	Mauna Kea Sugar - Onomea Seed Dipping Area	Low	Assessment	Hazard Undetermined	Ongoing
27	Hawaii	Hilo	Mauna Kea Sugar Company - Hilo Sugar Pesticide Mixing Area	High	Response	Hazard Present	Ongoing
28	Hawaii	Hilo	Tesoro Hawaii Corporation Terminal Department - 607 Kalaniana'ole	Low	Response	Hazard Present	Inactive
29	Hawaii	Hilo	Tesoro Hilo Terminal 2 Lead Contamination	Medium	Assessment	Hazard Undetermined	Ongoing
30	Hawaii	Honokaa	DOH Honokaa	Low	Assessment	Hazard Undetermined	Inactive
31	Hawaii	Honokaa	Hamakua Sugar Company Inc - Kawela Pesticide Mixing Area	Low	Response	Hazard Undetermined	Ongoing
32	Hawaii	Honokaa	Honokaa Medical Center Wastewater Treatment Plant	Low	Assessment	Hazard Present	Inactive
33	Hawaii	Kailua-Kona	Hawaii Petroleum- Kona Branch (Kona Warehouse & Cardlock)	Low	Assessment	Hazard Undetermined	Ongoing
34	Hawaii	Kailua-Kona	Honokohau Industrial Park- Lower Boat Park Soil Contamination	Low	Assessment	Hazard Undetermined	Ongoing
35	Hawaii	Kamuela	Kamuela Baseyard	Low	Assessment	Hazard Undetermined	Inactive
36	Hawaii	Kamuela	Waimea Quarry	Low	Response	Hazard Undetermined	Ongoing
37	Hawaii	Kawaihae	Akana Petroleum, Inc-Kawaihae Harbor	Medium	Assessment	Hazard Undetermined	Ongoing
38	Hawaii	Kawaihae	Kawaihae Harbor Pier 2 Dry Well	NFA	Response	No Hazard	NFA
39	Hawaii	Kawaihae	TOSCO Corporation-Kawaihae Terminal #0317	Low	Assessment	Hazard Present	Inactive
40	Hawaii	Keaau	Kamehameha Schools Keaau Campus	Low	Response	Hazard Undetermined	Ongoing
41	Hawaii	Keaau	Keaau Hotel Site	High	Response	Hazard Managed With Engineering Controls	Ongoing
42	Hawaii	Keaau	Keaau Middle School	Medium	Response	Hazard Managed With Institutional Controls	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

**Hawai'i State Response Program List of Priority Sites**

	<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 Control</u></b>	<b><u>Site Status</u></b>
43	Hawaii	Keaau	Keaau Paho Road 118 Acre Parcel	Medium	Response	Hazard Present	Inactive
44	Hawaii	Keaau	Keaau Triangle Lot	Medium	Response	Hazard Present	Ongoing
45	Hawaii	Keaau	Puna Sugar Mill	Medium	Assessment	Hazard Undetermined	Ongoing
46	Hawaii	Keauhou	Keauhou Mechanics Yard	Low	Assessment	Hazard Undetermined	Inactive
47	Hawaii	Kohala	Kohala Public Library	NFA	Assessment	No Hazard	NFA
48	Hawaii	Kohala	Kohala Sugar Company	High	Assessment	Hazard Present	Ongoing
49	Hawaii	Laupahoehoe	Hamakua Sugar Company, Inc - Papaaloa Pesticide Mixing Area	Low	Assessment	Hazard Undetermined	Ongoing
50	Hawaii	Naalehu	Hawaii Petroleum Distributors, Inc 200 Gallon Fuel Spill	Low	Assessment	Hazard Undetermined	Inactive
51	Hawaii	Ookala	Ookala Gym and Ball Park	Low	Assessment	Hazard Present	Inactive
52	Hawaii	Paauhau	Hamakua Sugar Company, Inc - Paauhau Sugar Mill	Medium	Response	Hazard Present	Ongoing
53	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Paauilo Seed Dipping Plant	NFA	Assessment	No Hazard	NFA
54	Hawaii	Paauilo	Hamakua Sugar Company, Inc - Paauilo Sugar Mill	NFA	Assessment	No Hazard	NFA
55	Hawaii	Paauilo	Hawaiian Sugar Planters' Association Research Station - Paauilo	Low	Assessment	Hazard Undetermined	Inactive
56	Hawaii	Paauilo	Mauna Kea Ranch Overspill Spillage	Low	Assessment	Hazard Undetermined	Inactive
57	Hawaii	Pahala	Ka'u Agribusiness - Seed Dipping Areas	NFA	Assessment	No Hazard	NFA
58	Hawaii	Pahala	Kau Sugar Mill	Medium	Response	Hazard Present	Ongoing
59	Hawaii	Pahala	ML Macadamia Orchards, LP (Kau Div)	High	Response	Hazard Managed With Engineering Controls	Ongoing
60	Hawaii	Papaikou	Hamakua Sugar Company, Inc - Papaikou	Low	Assessment	Hazard Undetermined	Ongoing
61	Hawaii	Pepeekeo	Black Oil and Drum Sites	Low	Response	Hazard Present	Ongoing
62	Hawaii	Pepeekeo	Hilo Coast Power Company Diesel Fuel Storage Tank	Low	Assessment	Hazard Undetermined	Inactive
63	Hawaii	Pepeekeo	Kraus Property	Medium	Assessment	Hazard Present	Ongoing
64	Hawaii	Pepeekeo	Petroleum Impacted Soil Downslope of Former HCPC Maintenance Garage	Medium	Response	Hazard Present	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
65	Hawaii	South Kona	Kamehameha Schools Estoy Property	Medium	Response	Hazard Present	Ongoing
66	Hawaii	Volcano	Hawaii Volcanoes National Park Aboveground Storage Tank	Low	Assessment	Hazard Undetermined	Ongoing
67	Hawaii	Volcano	Hawaii Volcanoes National Park Building 223 Auto Shop Wash Basin Leach Field	NFA	Response	No Hazard	NFA
68	Hawaii	Waiakea Uka	Waiakea Upland Arsenic Site	High	Assessment	Hazard Present	Inactive
69	Hawaii	Waipunalei	Hamakua Sugar Company, Inc - Waipunalei	Medium	Assessment	Hazard Managed With Institutional Controls	Ongoing
70	Kauai	Barking Sands	Kauai Test Facility	Low	Assessment	Hazard Present	Ongoing
71	Kauai	Hanamaulu	Lihue Plantation Co, Ltd - Lihue Herbicide Mixing Plant	Medium	Response	Hazard Undetermined	Ongoing
72	Kauai	Hanapepe	Sakoda Garage	Low	Response	Hazard Present	Ongoing
73	Kauai	Kalaheo	Kalaheo Elementary Phase 1	Low	Assessment	Hazard Undetermined	Ongoing
74	Kauai	Kapaa	Leonard's, Inc	Low	Assessment	Hazard Undetermined	Inactive
75	Kauai	Kapaa	Wailua Homestead Wells 0421-01& 02	Low	Assessment	Hazard Undetermined	Inactive
76	Kauai	Kekaha	HIANG Kekaha	Low	Assessment	Hazard Undetermined	Inactive
77	Kauai	Kekaha	Kekaha Diesel Generator	Low	Response	Hazard Undetermined	Ongoing
78	Kauai	Kekaha	Kekaha Sugar Co, Ltd	Low	Response	Hazard Present	Ongoing
79	Kauai	Kekaha	Kekaha Sugar Co, Ltd - Kekaha Wood Treatment Plant	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
80	Kauai	Lawai	Lawai Valley Cannery	Low	Assessment	Hazard Undetermined	Inactive
81	Kauai	Lihue	Former Ahukini Dump	Medium	Response	Hazard Present	Ongoing
82	Kauai	Lihue	Grove Farm	NFA	Response	No Hazard	NFA
83	Kauai	Lihue	Koamalu Plantation LLC Condominium	Medium	Response	Hazard Undetermined	Ongoing
84	Kauai	Lihue	Lihue Plantation Co, Ltd	High	Response	Hazard Present	Ongoing
85	Kauai	Lihue	Lihue Plantation Co, Ltd - Lihue Sugar Mill and Power Plant	Medium	Assessment	Hazard Undetermined	Ongoing
86	Kauai	Lihue	Nawiliwili Fuel Distribution Terminal	Low	Response	Hazard Undetermined	Ongoing

LIST OF HAWAI'I STATE RESPONSE PROGRAM SITES

**Hawai'i State Response Program List of Priority Sites**

	<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 Control</u></b>	<b><u>Site Status</u></b>
87	Kauai	Lihue	Nawiliwili Harbor Pier 1 Fuel Contamination	Low	Assessment	Hazard Undetermined	Ongoing
88	Kauai	Lihue	Nawiliwili Harbor Pier 2 Oil Spill	Low	Assessment	Hazard Undetermined	Inactive
89	Kauai	Lihue	Nawiliwili Harbor Pier 3 Bollard Foundation Construction	Low	Assessment	Hazard Undetermined	Inactive
90	Kauai	Lihue	Nawiliwili Harbor Pier 3 Improvements	Low	Response	Hazard Present	Ongoing
91	Kauai	Puhi	Brewer Environmental Industries-Kaumualii Highway	High	Response	Hazard Managed With Engineering Controls	Ongoing
92	Kauai	Wailua	Coco Palms Sewage Pump Station	Low	Assessment	Hazard Undetermined	Inactive
93	Kauai	Wailua	Kauai Agricultural Research Center (Agent Orange/Pesticide Sites)	Low	Response	Hazard Present	Ongoing
94	Kauai	Waimea	Meadow Gold Dairies, Inc-Waimea	Low	Response	Hazard Present	Inactive
95	Kauai	Waimea	Navy MFH PMRF Barking Sands	Low	Assessment	Hazard Undetermined	Ongoing
96	Kauai	Waimea	Waimea Hospital Property	Low	Assessment	Hazard Undetermined	Inactive
97	Kure Atoll	Kure Atoll	Kure Atoll, U.S. Coast Guard	High	Response	Hazard Managed With Engineering Controls	Ongoing
98	Lanai	Lanai City	Lanai High and Elementary School	Medium	Assessment	Hazard Undetermined	NFA
99	Maui	Haliimaile	Maui Pineapple Co Ltd, Haliimaile Road	Low	Assessment	Hazard Undetermined	Inactive
100	Maui	Kahului	Alii Linen Service (fka Snow White Linen)	Low	Response	Hazard Managed With Engineering Controls	Ongoing
101	Maui	Kahului	Bird Builders	Medium	Response	Hazard Present	Ongoing
102	Maui	Kahului	Central Power Plant Electrical Substation and Transformer Storage Yard	Medium	Assessment	Hazard Undetermined	Inactive
103	Maui	Kahului	Fong Construction	Low	Assessment	Hazard Undetermined	Inactive
104	Maui	Kahului	HIANG Kahului	Low	Assessment	Hazard Undetermined	Inactive
105	Maui	Kahului	Hobron Ave Area (Kahului)	Low	Response	Hazard Present	Ongoing
106	Maui	Kahului	Kahului Fuel Distribution Terminal	Low	Response	Hazard Present	Ongoing
107	Maui	Kahului	Kahului Terminal	Low	Response	Hazard Present	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
108	Maui	Kahului	Kanaha Pond Industrial Site	Low	Response	Hazard Undetermined	Inactive
109	Maui	Kahului	Kanaha Pond Industrial West Site	Medium	Assessment	Hazard Present	Ongoing
110	Maui	Kahului	Maui Well No. 5	Medium	Response	Hazard Undetermined	Inactive
111	Maui	Kahului	MECO Pole-Mount Transformer No. 6930	Low	Assessment	Hazard Undetermined	Inactive
112	Maui	Kahului	MECO Transformer 3357	Medium	Response	Hazard Undetermined	Inactive
113	Maui	Kahului	Sears Auto Center	Low	Assessment	Hazard Undetermined	Inactive
114	Maui	Kahului	VIP Warehouse	Low	Assessment	Hazard Present	Ongoing
115	Maui	Kihei	Selland Construction Inc, Kihei Base Yard	Low	Response	Hazard Undetermined	Inactive
116	Maui	Lahaina	Kapalua Resort Company	Low	Assessment	Hazard Undetermined	Ongoing
117	Maui	Lahaina	MECO submersible Transformer No. 4726	Low	Assessment	Hazard Undetermined	Inactive
118	Maui	Lahaina	MECO Transformer Site	Low	Response	Hazard Undetermined	Ongoing
119	Maui	Makawao	MECO Transformer 3633	Medium	Response	Hazard Undetermined	Inactive
120	Maui	Olowalu	Luawai Road Transformer	Low	Assessment	Hazard Undetermined	Inactive
121	Maui	Paia	Paia Sugar Mill	Medium	Assessment	Hazard Undetermined	Ongoing
122	Maui	Pukalani	Maui Pineapple Co Ltd, Corn Mill Camp	High	Assessment	Hazard Present	Ongoing
123	Maui	Puunene	Maui Wood Treating Co Ltd	Low	Assessment	Hazard Undetermined	Inactive
124	Maui	Puunene	Old Puunene Airport Soil Contamination	Medium	Assessment	Hazard Undetermined	Ongoing
125	Maui	Puunene	Puunene Sugar Mill	Medium	Response	No Hazard	NFA
126	Maui	Wailuku	Kehalani Development	High	Response	Hazard Undetermined	Ongoing
127	Maui	Wailuku	Maui Disposal	Medium	Response	Hazard Present	Ongoing
128	Maui	Wailuku	MECO Transformer 3358	Medium	Response	Hazard Undetermined	Inactive
129	Maui	Wailuku	MECO Transformer 7597	Low	Assessment	Hazard Undetermined	Inactive
130	Maui	Wailuku	Organizational Maintenance Shop #3 (OMS #3)	Low	Assessment	Hazard Undetermined	Ongoing
131	Maui	Wailuku	Waiale Ash Pile	Low	Response	Hazard Present	Ongoing
132	Molokai	Hoolehua	Grace Pacific Corporation Manawainui, Molokai Facility	Low	Response	Hazard Present	Ongoing
133	Molokai	Kanunakakai	Kalamaula Landfill	Medium	Assessment	Hazard Managed With Engineering Controls	Inactive
134	Molokai	Kaunakakai	Hawaiian Eye Center	Low	Assessment	Hazard Undetermined	Inactive

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

**Hawai'i State Response Program List of Priority Sites**

	<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 Control</u></b>	<b><u>Site Status</u></b>
135	Molokai	Kaunakakai	Island Petroleum, Inc (Kaunakakai Terminal)	Low	Response	Hazard Undetermined	Ongoing
136	Molokai	Kaunakakai	Molokai Community Service Center	Medium	Response	Hazard Present	Ongoing
137	Molokai	Maunaloa	Molokai Ranch Pineapple Pesticide and Maintenance Operations	Medium	Assessment	Hazard Undetermined	Ongoing
138	Oahu	Aiea	Aiea Stream	Low	Response	Hazard Managed With Engineering Controls	Ongoing
139	Oahu	Aiea	Grace Pacific Corporation - Halawa Valley Street	Low	Response	Hazard Present	Ongoing
140	Oahu	Aiea	Hawaii Baking Company	Low	Assessment	Hazard Undetermined	Inactive
141	Oahu	Aiea	HECO Transformer 52091	Low	Assessment	Hazard Undetermined	Inactive
142	Oahu	Aiea	Navy MFH Halawa	Low	Assessment	Hazard Undetermined	Ongoing
143	Oahu	Aiea	Navy MFH McGrew Point	Low	Assessment	Hazard Undetermined	Ongoing
144	Oahu	Aiea	Sears Facility #1578 at Pearlridge Mall Hydraulic Hoist	Low	Response	Hazard Managed With Engineering Controls	Ongoing
145	Oahu	Camp Smith	Marines MFH Camp Smith	Low	Assessment	Hazard Undetermined	Ongoing
146	Oahu	Ewa	Ewa Mill Manager's Mansion and Three-House Camp	Low	Response	Hazard Undetermined	Inactive
147	Oahu	Ewa	Waipahu Garden Center	Low	Assessment	Hazard Undetermined	Ongoing
148	Oahu	Ewa Beach	East Kapolei Pesticide Mixing/Loading Site	High	Response	Hazard Managed With Engineering Controls	Ongoing
149	Oahu	Ewa Beach	Leeward Auto Wreckers, Inc	Low	Assessment	Hazard Undetermined	Inactive
150	Oahu	Ewa Beach	Palailai Landfill	High	Response	Hazard Managed With Engineering Controls	Ongoing
151	Oahu	Ewa Sugar Mill	Ewa Green Village Park	Low	Assessment	Hazard Undetermined	NFA
152	Oahu	Fort Shafter	Army MFH FS Funston Village	Low	Assessment	Hazard Undetermined	Ongoing
153	Oahu	Fort Shafter	Army MFH FS Hauoli Heights North	Low	Assessment	Hazard Undetermined	Ongoing
154	Oahu	Fort Shafter	Army MFH FS Hauoli Heights South	Low	Response	Hazard Managed With Engineering Controls	Ongoing
155	Oahu	Fort Shafter	Army MFH FS Palm Circle	Low	Assessment	Hazard Undetermined	Ongoing
156	Oahu	Fort Shafter	Army MFH FS Radar Hill	Low	Response	Hazard Managed With Engineering Controls	Ongoing
157	Oahu	Fort Shafter	Army MFH FS Rice Manor	Low	Assessment	Hazard Undetermined	Ongoing

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<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
158	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Community Center	Low	Response	Hazard Managed With Engineering Controls	Ongoing
159	Oahu	Fort Shafter	Army MFH FS Simpson-Wisser Neighborhood	Low	Response	Hazard Managed With Engineering Controls	Ongoing
160	Oahu	Haleiwa	Haleiwa Chevron Service Station	Low	Response	Hazard Undetermined	Ongoing
161	Oahu	Haleiwa	Twin Bridge Road Drum Dumping-Haleiwa	Low	Response	Hazard Undetermined	Ongoing
162	Oahu	Helemano MR	Army MFH HMR Kalapana	Low	Assessment	Hazard Undetermined	Ongoing
163	Oahu	Helemano MR	Army MFH HMR Kekona	Low	Assessment	Hazard Undetermined	Ongoing
164	Oahu	Helemano MR	Army MFH HMR Kuapale	Low	Assessment	Hazard Undetermined	Ongoing
165	Oahu	Hickam AFB	Air Force MFH HAFB CGO/FGO Minor Renovation	Low	Assessment	Hazard Undetermined	Ongoing
166	Oahu	Hickam AFB	Air Force MFH HAFB Challenger Loop Minor Renovations	Low	Assessment	Hazard Undetermined	Ongoing
167	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Minor Renovations	Low	Assessment	Hazard Undetermined	Ongoing
168	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Phase I-1	Low	Assessment	Hazard Undetermined	Ongoing
169	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Phase I-2	High	Response	Hazard Present	Ongoing
170	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Phase I-3	Low	Assessment	Hazard Undetermined	Ongoing
171	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Phase I-4	High	Response	Hazard Present	Ongoing
172	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park Phase II-1	Low	Assessment	Hazard Undetermined	Ongoing
173	Oahu	Hickam AFB	Air Force MFH HAFB Earhart Village Park Phase II-4	Low	Assessment	Hazard Undetermined	Ongoing
174	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 01	Low	Assessment	Hazard Undetermined	Ongoing
175	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 02	Low	Assessment	Hazard Undetermined	Ongoing
176	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 03	Low	Assessment	Hazard Undetermined	Ongoing
177	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 04	Low	Assessment	Hazard Undetermined	Ongoing

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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 Control</u>	<u>Site Status</u>
178	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 05	Low	Assessment	Hazard Undetermined	Ongoing
179	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 06	Low	Assessment	Hazard Undetermined	Ongoing
180	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 07	Low	Assessment	Hazard Undetermined	Ongoing
181	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08	Low	Assessment	Hazard Undetermined	Ongoing
182	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 08 South	Low	Assessment	Hazard Undetermined	Ongoing
183	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 09	Low	Assessment	Hazard Undetermined	Ongoing
184	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 10	Low	Assessment	Hazard Undetermined	Ongoing
185	Oahu	Hickam AFB	Air Force MFH HAFB FGO Block 11	Low	Assessment	Hazard Undetermined	Ongoing
186	Oahu	Hickam AFB	Air Force MFH HAFB GO/SO Historic Renovations	Low	Assessment	Hazard Undetermined	Ongoing
187	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Minor Renovations	Low	Assessment	Hazard Undetermined	Ongoing
188	Oahu	Hickam AFB	Air Force MFH HAFB Hale Na Koa Phase I-1	Medium	Assessment	Hazard Present	Ongoing
189	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field NCO Area	Low	Assessment	Hazard Undetermined	Ongoing
190	Oahu	Hickam AFB	Air Force MFH HAFB Hickam Field Officer Area	Low	Assessment	Hazard Undetermined	Ongoing
191	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 01	Low	Assessment	Hazard Undetermined	Ongoing
192	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 02	Low	Assessment	Hazard Undetermined	Ongoing
193	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 03	Low	Assessment	Hazard Undetermined	Ongoing
194	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 04	Low	Assessment	Hazard Undetermined	Ongoing
195	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 05	Low	Assessment	Hazard Undetermined	Ongoing
196	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 06	Low	Assessment	Hazard Undetermined	Ongoing
197	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 07	Low	Assessment	Hazard Undetermined	Ongoing
198	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 08	Low	Assessment	Hazard Undetermined	Ongoing

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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 Control</u></b>	<b><u>Site Status</u></b>
199	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 09	Low	Assessment	Hazard Undetermined	Ongoing
200	Oahu	Hickam AFB	Air Force MFH HAFB JNCO Block 10	Low	Assessment	Hazard Undetermined	Ongoing
201	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka Village Phase II-1	High	Response	Hazard Present	Ongoing
202	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka Village Phase II-2	Low	Assessment	Hazard Undetermined	Ongoing
203	Oahu	Hickam AFB	Air Force MFH HAFB Onizuka Village Phase II-3	Low	Assessment	Hazard Undetermined	Ongoing
204	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 1	Low	Assessment	Hazard Undetermined	Ongoing
205	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 2	Low	Assessment	Hazard Undetermined	Ongoing
206	Oahu	Hickam AFB	Air Force MFH HAFB SNCO Block 3	Low	Assessment	Hazard Undetermined	Ongoing
207	Oahu	Hickam AFB	Air Force MFH HAFB SO Minor Renovation	Low	Assessment	Hazard Undetermined	Ongoing
208	Oahu	Honolulu	158 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing
209	Oahu	Honolulu	180 Sand Island Access Rd	Medium	Response	Hazard Present	Ongoing
210	Oahu	Honolulu	2135 Auiki St	Medium	Response	Hazard Present	Ongoing
211	Oahu	Honolulu	218 Mohonua Place	Medium	Response	Hazard Present	Ongoing
212	Oahu	Honolulu	2250 Pahounui Drive	Medium	Response	Hazard Present	Ongoing
213	Oahu	Honolulu	373 North Nimitz Highway	Medium	Response	Hazard Present	Ongoing
214	Oahu	Honolulu	420-470 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Ongoing
215	Oahu	Honolulu	580 North Nimitz Highway	Low	Response	Hazard Managed With Engineering Controls	Inactive
216	Oahu	Honolulu	595 Ala Moana Black Oil Pipeline	Low	Assessment	Hazard Undetermined	Ongoing
217	Oahu	Honolulu	700 N Nimitz IDPP Release	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
218	Oahu	Honolulu	755 N Nimitz Hwy	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
219	Oahu	Honolulu	775 North Nimitz Highway	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
220	Oahu	Honolulu	Ala Wai Cove Condominium Apartments	Low	Assessment	Hazard Undetermined	Ongoing
221	Oahu	Honolulu	Aliamanu Residential	Low	Assessment	Hazard Undetermined	Ongoing
222	Oahu	Honolulu	Alii #3282	Medium	Response	Hazard Present	Ongoing

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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 Control</u></b>	<b><u>Site Status</u></b>
223	Oahu	Honolulu	Allstate Industrial & Marine Cleaning, Inc.	Low	Response	Hazard Present	Ongoing
224	Oahu	Honolulu	Aloha Petroleum Terminal	Medium	Response	Hazard Present	Ongoing
225	Oahu	Honolulu	Aloha/King Self Storage	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
226	Oahu	Honolulu	ARCO AM/PM #82102 (Texaco 61-100-0043)	Low	Response	Hazard Undetermined	Ongoing
227	Oahu	Honolulu	ARCO AM/PM #82111 (Texaco 61-100-0045)	NFA	Response	Hazard Managed With Engineering Controls	NFA
228	Oahu	Honolulu	Army MFH AMR Ama	NFA	Assessment	No Hazard	NFA
229	Oahu	Honolulu	Army MFH AMR Bougainville	Low	Response	Hazard Managed With Engineering Controls	Ongoing
230	Oahu	Honolulu	Army MFH AMR Hibiscus	Low	Assessment	Hazard Undetermined	Ongoing
231	Oahu	Honolulu	Army MFH AMR Makai View	Low	Response	Hazard Managed With Engineering Controls	Ongoing
232	Oahu	Honolulu	Army MFH AMR Plumeria	Low	Response	Hazard Managed With Engineering Controls	Ongoing
233	Oahu	Honolulu	Army MFH AMR Rim Loop	Low	Assessment	Hazard Undetermined	Ongoing
234	Oahu	Honolulu	Army MFH AMR Skyview	Low	Response	Hazard Managed With Engineering Controls	Ongoing
235	Oahu	Honolulu	Army MFH AMR Valley View	Low	Assessment	Hazard Undetermined	Ongoing
236	Oahu	Honolulu	BHP Gasco Benzene Site	High	Response	Hazard Present	Ongoing
237	Oahu	Honolulu	Brewer Environmental Industries-Pacific Street	High	Assessment	Hazard Present	Ongoing
238	Oahu	Honolulu	BTU Storage Tanks Pier 19	Medium	Response	Hazard Present	Ongoing
239	Oahu	Honolulu	Chevron Honolulu Terminal Marine	Medium	Response	Hazard Present	Ongoing
240	Oahu	Honolulu	Chevron Honolulu Transportation Terminal	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
241	Oahu	Honolulu	Chevron Kapalama Northeast Parcel	Medium	Response	Hazard Present	Ongoing
242	Oahu	Honolulu	Chevron Kapalama Northwest Parcel	Low	Response	Hazard Present	Ongoing
243	Oahu	Honolulu	Chevron Kapalama Terminal	Medium	Response	Hazard Present	Ongoing
244	Oahu	Honolulu	Chevron Pier 35 Pipeline Release	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
245	Oahu	Honolulu	Citizens Energy Services Pier 38	High	Response	Hazard Managed With Engineering Controls	Ongoing

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Hawai'i State Response Program List of Priority Sites							
	Island	Locality Name	Site Name	Priority	Action	Potential Hazard and Control	Site Status
246	Oahu	Honolulu	Coast Guard MFH Red Hill Makai	Low	Assessment	Hazard Undetermined	Ongoing
247	Oahu	Honolulu	Coast Guard MFH Red Hill Mauka	Low	Response	Hazard Managed With Engineering Controls	Ongoing
248	Oahu	Honolulu	DLNR Buried Drum Site	Low	Assessment	Hazard Managed With Institutional Controls	Inactive
249	Oahu	Honolulu	Dole Iwilei	Low	Assessment	Hazard Undetermined	Ongoing
250	Oahu	Honolulu	Domestic Commercial Fishing Village	Low	Response	Hazard Managed With Engineering Controls	Ongoing
251	Oahu	Honolulu	Durant Properties	Medium	Response	Hazard Present	Ongoing
252	Oahu	Honolulu	Equilon Enterprises LLC Honolulu Terminal	Low	Response	Hazard Present	Ongoing
253	Oahu	Honolulu	GTE Base Yard Sump	NFA	Response	Hazard Managed With Engineering Controls	NFA
254	Oahu	Honolulu	Hakuyosha Hawaii, Inc	High	Response	Hazard Managed With Engineering Controls	Ongoing
255	Oahu	Honolulu	Hale Pua Nui UST Removal	Low	Assessment	Hazard Undetermined	Inactive
256	Oahu	Honolulu	Hart Street WWPS	Low	Response	Hazard Present	Ongoing
257	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport	Low	Assessment	Hazard Present	Ongoing
258	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Airport Relief Valve Release	Low	Assessment	Hazard Undetermined	Ongoing
259	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Access Road	Low	Assessment	Hazard Undetermined	Inactive
260	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release	Low	Response	Hazard Present	Ongoing
261	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity	Medium	Response	Hazard Present	Ongoing
262	Oahu	Honolulu	Hawaii Fueling Facilities Corporation-Sand Island Tank 4 Release	Low	Response	Hazard Undetermined	NFA
263	Oahu	Honolulu	Hawaii Grain Corporation	Low	Assessment	Hazard Undetermined	Ongoing
264	Oahu	Honolulu	Hawaii Instrumentation & Controls, Inc	Medium	Assessment	Hazard Undetermined	Inactive
265	Oahu	Honolulu	Hawaii Job Corps Center	Low	Assessment	Hazard Undetermined	Inactive
266	Oahu	Honolulu	Hawaii Mercury	Medium	Response	Hazard Present	Ongoing

LIST OF HAWAI'I STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
267	Oahu	Honolulu	Hawaii Metal Recycling Company Pier 35	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
268	Oahu	Honolulu	Hawaii Stevedores	Low	Response	Hazard Present	Ongoing
269	Oahu	Honolulu	Hawaii Transfer Company, Ltd Pier 36	Low	Response	Hazard Present	Ongoing
270	Oahu	Honolulu	Hawaiian Cement Lease Areas Piers 33 and 34	NFA	Response	Hazard Managed With Engineering Controls	NFA
271	Oahu	Honolulu	Hawaiian Electric Company (HECO) - Iwilei Tank Yard	Low	Response	Hazard Managed With Engineering Controls	Ongoing
272	Oahu	Honolulu	Hawaiian Electric Company (HECO)-Honolulu Generating Station	Low	Assessment	Hazard Undetermined	Inactive
273	Oahu	Honolulu	Hawaiian Flour Mill	Medium	Response	Hazard Present	Ongoing
274	Oahu	Honolulu	Hawaiian Fluid Power Company	Low	Response	Hazard Managed With Institutional Controls	Ongoing
275	Oahu	Honolulu	Hawaiian Tug & Barge Corporation	Low	Assessment	Hazard Undetermined	Inactive
276	Oahu	Honolulu	HECO Soil Contamination Chapin Lane and Kapiolani Boulevard	NFA	Response	Hazard Managed With Engineering Controls	NFA
277	Oahu	Honolulu	HECO Substation: Pukele Substation	Low	Assessment	Hazard Undetermined	Ongoing
278	Oahu	Honolulu	HECO Transformer 27266	Medium	Response	Hazard Undetermined	Inactive
279	Oahu	Honolulu	HECO Transformer 26127	Low	Response	Hazard Undetermined	Ongoing
280	Oahu	Honolulu	Honolulu Harbor Iwilei District Participating Parties	Low	Response	Hazard Managed With Engineering Controls	Ongoing
281	Oahu	Honolulu	Honolulu Shipyard, Inc	Low	Response	Hazard Undetermined	Inactive
282	Oahu	Honolulu	Interisland Maintenance Facility Site Elliot Street	Low	Response	Hazard Undetermined	Ongoing
283	Oahu	Honolulu	Island Movers, Inc	Low	Assessment	Hazard Undetermined	Inactive
284	Oahu	Honolulu	Iwilei Business Center	Low	Response	Hazard Managed With Institutional Controls	Inactive
285	Oahu	Honolulu	Iwilei Project Site (Iwilei Brownfields)	Low	Response	Hazard Present	Inactive
286	Oahu	Honolulu	Iwilei Texaco	Medium	Response	Hazard Present	Inactive
287	Oahu	Honolulu	K&Y Auto Service and Wayne's Auto Electric	Medium	Response	Hazard Present	Ongoing
288	Oahu	Honolulu	Kakaako Brownfield Project	High	Response	Hazard Managed With Institutional Controls	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

Hawai'i State Response Program List of Priority Sites							
	<u>Island</u>	<u>Locality Name</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Control</u>	<u>Site Status</u>
289	Oahu	Honolulu	Kakaako Brownfield Project - Unit 10	Low	Assessment	Hazard Managed With Engineering Controls	Ongoing
290	Oahu	Honolulu	Kakaako Brownfield Project - Unit 2	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
291	Oahu	Honolulu	Kakaako Brownfield Project - Unit 4	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
292	Oahu	Honolulu	Kakaako Brownfield Project - Unit 5	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing
293	Oahu	Honolulu	Kakaako Brownfield Project - Unit 6	High	Response	Hazard Managed With Engineering Controls	Ongoing
294	Oahu	Honolulu	Kakaako Brownfield Project - Unit 7	High	Response	Hazard Managed With Engineering Controls	Ongoing
295	Oahu	Honolulu	Kakaako Brownfield Project - Unit 8	High	Response	Hazard Managed With Engineering Controls	Ongoing
296	Oahu	Honolulu	Kakaako Brownfield Project - Unit 9	Medium	Assessment	Hazard Managed With Engineering Controls	Ongoing
297	Oahu	Honolulu	Kakaako Makai District Parking Garage-Unit 1and 3	High	Response	Hazard Managed With Engineering Controls	Ongoing
298	Oahu	Honolulu	Kakaako Pump Station	Low	Response	Hazard Present	Ongoing
299	Oahu	Honolulu	Kamehameha Schools - 1336 Dillingham Boulevard	Medium	Response	Hazard Present	Ongoing
300	Oahu	Honolulu	Kapalama Incinerator Off-Site Contamination	Medium	Response	Hazard Managed With Institutional Controls	Ongoing
301	Oahu	Honolulu	Koko Head District Park	Low	Assessment	Hazard Managed With Institutional Controls	Inactive
302	Oahu	Honolulu	Kokua Kalihi Valley Active Living Center	Low	Response	Hazard Undetermined	Inactive
303	Oahu	Honolulu	Kuhio Park Terrace Units D1 and D2	Medium	Response	Hazard Present	Ongoing
304	Oahu	Honolulu	Lance Goya's Chevron Service (Tom Tomita's Chevron)	Medium	Response	Hazard Present	Ongoing
305	Oahu	Honolulu	Lockheed Air Terminal, Inc	Low	Assessment	Hazard Undetermined	Inactive
306	Oahu	Honolulu	McCabe, Hamilton, & Renny Company, Ltd	Low	Response	Hazard Undetermined	Inactive
307	Oahu	Honolulu	Miyazaki Honolulu Airport Service Station (Airways Service Station Inc)	Low	Assessment	Hazard Undetermined	Inactive
308	Oahu	Honolulu	Moanalua Medical Center and Clinic	Medium	Response	Hazard Present	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

**Hawai'i State Response Program List of Priority Sites**

	<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 Control</u></b>	<b><u>Site Status</u></b>
309	Oahu	Honolulu	Motor Supply	High	Response	Hazard Managed With Engineering Controls	Ongoing
310	Oahu	Honolulu	Navy MFH Camp Stover	Low	Assessment	Hazard Undetermined	Ongoing
311	Oahu	Honolulu	Navy MFH Catlin Park	Low	Assessment	Hazard Undetermined	Ongoing
312	Oahu	Honolulu	Navy MFH Doris Miller Park	Low	Assessment	Hazard Undetermined	Ongoing
313	Oahu	Honolulu	Navy MFH Hale Alii	Low	Assessment	Hazard Undetermined	Ongoing
314	Oahu	Honolulu	Navy MFH Hale Moku	Low	Assessment	Hazard Undetermined	Ongoing
315	Oahu	Honolulu	Navy MFH Halsey Terrace	Low	Assessment	Hazard Undetermined	Ongoing
316	Oahu	Honolulu	Navy MFH Hokulani	Low	Assessment	Hazard Undetermined	Ongoing
317	Oahu	Honolulu	Navy MFH Hospital Point	Low	Assessment	Hazard Undetermined	Ongoing
318	Oahu	Honolulu	Navy MFH Little Makalapa	Low	Assessment	Hazard Undetermined	Ongoing
319	Oahu	Honolulu	Navy MFH Makalapa	Low	Assessment	Hazard Undetermined	Ongoing
320	Oahu	Honolulu	Navy MFH Maloelap	Low	Assessment	Hazard Undetermined	Ongoing
321	Oahu	Honolulu	Navy MFH Marine Barracks	Low	Assessment	Hazard Undetermined	Ongoing
322	Oahu	Honolulu	Navy MFH Moanalua Terrace	Low	Assessment	Hazard Undetermined	Ongoing
323	Oahu	Honolulu	Navy MFH Radford Terrace	Low	Assessment	Hazard Undetermined	Ongoing
324	Oahu	Honolulu	Navy MFH Red Hill Terrace	Low	Assessment	Hazard Undetermined	Ongoing
325	Oahu	Honolulu	Nestle USA	Medium	Response	Hazard Present	Ongoing
326	Oahu	Honolulu	Nimitz Highway Water Improvement Project Sumner to Queen	Low	Response	Hazard Present	Ongoing
327	Oahu	Honolulu	PHT, Inc. dba Polynesian Hospitality	Low	Response	Hazard Undetermined	Inactive
328	Oahu	Honolulu	Pukoloa Wood Treating Site	Medium	Response	Hazard Present	Ongoing
329	Oahu	Honolulu	Punahou School Firing Range	NFA	Response	No Hazard	NFA
330	Oahu	Honolulu	Richard's Chevron	Medium	Response	Hazard Present	Ongoing
331	Oahu	Honolulu	Safeway 1234 South Beretania Street	Low	Assessment	Hazard Undetermined	Ongoing
332	Oahu	Honolulu	Sand Island WWTP	Low	Response	Hazard Present	Inactive
333	Oahu	Honolulu	Sause Brothers	Low	Response	Hazard Present	Ongoing
334	Oahu	Honolulu	Servco Pacific, Inc- Kalihi	Low	Assessment	Hazard Undetermined	Inactive
335	Oahu	Honolulu	Shell Service Station (Sierra Shell Service)	Low	Assessment	Hazard Undetermined	Inactive

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
336	Oahu	Honolulu	Shidler College of Business Site Improvements	Low	Assessment	Hazard Undetermined	Inactive
337	Oahu	Honolulu	Tesoro Hawaii Corporation, Terminal Department-Sand Island	Medium	Response	Hazard Present	Ongoing
338	Oahu	Honolulu	Theo Davies Caterpillar Repair Site	Low	Response	Hazard Managed With Engineering Controls	Inactive
339	Oahu	Honolulu	Tosco Honolulu Bulk Distribution Terminal	High	Response	Hazard Managed With Engineering Controls	Ongoing
340	Oahu	Honolulu	Towco - Sand Island	Low	Assessment	Hazard Undetermined	Inactive
341	Oahu	Honolulu	Travel Plaza Transportation, LLC	Medium	Assessment	Hazard Undetermined	Ongoing
342	Oahu	Honolulu	Uaukewai Diving Salvage & Fishing, Inc	Low	Response	Hazard Present	Inactive
343	Oahu	Honolulu	USPS Vehicle Maintenance Facility	Low	Response	Hazard Present	Ongoing
344	Oahu	Honolulu	Waikiki Sand Villa II	Low	Assessment	Hazard Undetermined	Inactive
345	Oahu	Honolulu	Wallys Garden Center	Medium	Assessment	Hazard Present	Ongoing
346	Oahu	Honolulu	Weyerhaeuser	Medium	Response	Hazard Present	Ongoing
347	Oahu	Honolulu	Yee Hop Building Maunakea Street	Low	Response	Hazard Undetermined	Ongoing
348	Oahu	Honolulu	Yee Hop Property	Low	Assessment	Hazard Undetermined	Ongoing
349	Oahu	Honolulu	Young Brothers, Ltd Piers 24-28	Medium	Response	Hazard Present	Ongoing
350	Oahu	Honolulu	Young Brothers, Ltd. Piers 39, 40	Low	Assessment	Hazard Undetermined	Inactive
351	Oahu	Honolulu	Zippy's 634 N Nimitz Highway	High	Response	Hazard Managed With Engineering Controls	Ongoing
352	Oahu	Kahuku	Kahuku Sugar Mill	Medium	Response	Hazard Managed With Engineering Controls	NFA
353	Oahu	Kailua	C&C Facility Maintenance Kapaa Quarry Rd. Baseyard	Medium	Response	Hazard Present	Ongoing
354	Oahu	Kailua	Hawaii Youth Correctional Facility	Low	Assessment	Hazard Present	Ongoing
355	Oahu	Kailua	Honolulu Skeet Club	High	Response	Hazard Managed With Institutional Controls	Ongoing
356	Oahu	Kailua	Ironwoods at Kailua	Low	Response	Hazard Present	Ongoing
357	Oahu	Kailua	Kailua Corporation Yard	Medium	Assessment	Hazard Undetermined	Ongoing
358	Oahu	Kailua	Kapaa Landfill - Kapaa Quarry Road	Medium	Response	Hazard Undetermined	Inactive

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
359	Oahu	Kailua	Malunui Avenue Oil Contamination	Low	Assessment	Hazard Undetermined	Inactive
360	Oahu	Kaneohe	Caesar's Cleaners	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
361	Oahu	Kaneohe	Haiku Valley Rehabilitation Site	NFA	Assessment	No Hazard	NFA
362	Oahu	Kaneohe	Kamehameha Schools - Heeia Preschool Development	NFA	Assessment	No Hazard	NFA
363	Oahu	Kaneohe	Scott's Plating	NFA	Response	No Hazard	NFA
364	Oahu	Kapaa	Kapaa Corporation Yard	Medium	Response	Hazard Present	Ongoing
365	Oahu	Kapolei	Aloha Petroleum, Barbers Pt Sales Terminal (Formerly Texaco/Equilon)	Low	Response	Hazard Present	Ongoing
366	Oahu	Kapolei	Barbers Point Harbor Expansion	Low	Response	Hazard Undetermined	Ongoing
367	Oahu	Kapolei	Barbers Point Harbor Pier 5	Low	Assessment	Hazard Undetermined	Inactive
368	Oahu	Kapolei	Barbers Point Harbor Pier 7 and Storage Yard S-6	Low	Assessment	Hazard Undetermined	Inactive
369	Oahu	Kapolei	Barge Harbor Soil Contamination	Medium	Assessment	Hazard Undetermined	Inactive
370	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery Tank Sludge	Medium	Assessment	Hazard Undetermined	Inactive
371	Oahu	Kapolei	Chevron USA Products Co., Hawaii Refinery, Marine Line Release	Low	Response	Hazard Present	Inactive
372	Oahu	Kapolei	Con-Fab Hawaii Corporation	Medium	Response	Hazard Undetermined	Ongoing
373	Oahu	Kapolei	CoVan Warehouse	Low	Assessment	Hazard Undetermined	Inactive
374	Oahu	Kapolei	East Kapolei Hoopili	Low	Assessment	Hazard Undetermined	Ongoing
375	Oahu	Kapolei	Ewa Feedlot Property	Medium	Response	Hazard Present	Ongoing
376	Oahu	Kapolei	Hanua Street Fugitive Oil	Low	Assessment	Hazard Undetermined	Inactive
377	Oahu	Kapolei	Hanua Street, Southern Terminus	High	Response	Hazard Managed With Engineering Controls	Ongoing
378	Oahu	Kapolei	Hawaii Metal Recycling Company	Low	Assessment	Hazard Undetermined	Ongoing
379	Oahu	Kapolei	Hawaiian Refractories (Hawaiian Meat Packers)	Medium	Assessment	Hazard Undetermined	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
380	Oahu	Kapolei	Honolulu Wood Treating Company, Ltd	Medium	Response	Hazard Present	Ongoing
381	Oahu	Kapolei	Honsador Lumber Corp	High	Response	Hazard Managed With Engineering Controls	Ongoing
382	Oahu	Kapolei	Kalaeloa Cogeneration Plant	Low	Assessment	Hazard Undetermined	Inactive
383	Oahu	Kapolei	Tileco, Inc	Medium	Assessment	Hazard Undetermined	Inactive
384	Oahu	Kapolei	UH West Oahu Campus	Low	Assessment	Hazard Undetermined	Inactive
385	Oahu	Kunia	Central Oahu Wells	Low	Assessment	Hazard Undetermined	Inactive
386	Oahu	Kunia	Del Monte Endosulfan Release	NFA	Response	No Hazard	NFA
387	Oahu	Kunia	Del Monte Kunia Former Chemical Warehouse	NFA	Response	No Hazard	NFA
388	Oahu	Kunia	Del Monte Kunia Former Maintenance Shop	Low	Response	Hazard Present	Ongoing
389	Oahu	Kunia	Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area	Medium	Response	Hazard Present	Ongoing
390	Oahu	Kunia	Kunia Wells I	Low	Assessment	Hazard Undetermined	Inactive
391	Oahu	Kunia	Royal Kunia Phase II	Medium	Response	Hazard Present	Ongoing
392	Oahu	Mali	84-Acre Portion of the Former Voice of America Site	Low	Assessment	Hazard Undetermined	Ongoing
393	Oahu	Makaha	Makaha Valley Hawaiian Home Lands Residential Community	Low	Assessment	Hazard Undetermined	Ongoing
394	Oahu	Makaha	Makaha Valley Kamehameha Schools Learning Community	Low	Assessment	Hazard Undetermined	Ongoing
395	Oahu	Manoa	1800 Vancouver Drive	Medium	Assessment	Hazard Present	Ongoing
396	Oahu	MCBH Kaneohe	Marines MFH MCBH Hawaii Loa	Low	Assessment	Hazard Undetermined	Ongoing
397	Oahu	MCBH Kaneohe	Marines MFH MCBH Heleloa	Low	Assessment	Hazard Undetermined	Ongoing
398	Oahu	MCBH Kaneohe	Marines MFH MCBH Kaluapuni	Low	Assessment	Hazard Undetermined	Ongoing
399	Oahu	MCBH Kaneohe	Marines MFH MCBH Kaneohe Bay ADMIN FILE	High	Response	Hazard Present	Ongoing
400	Oahu	MCBH Kaneohe	Marines MFH MCBH Kapoho Hillside	Low	Assessment	Hazard Undetermined	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
401	Oahu	MCBH Kaneohe	Marines MFH MCBH Mololani	Low	Assessment	Hazard Undetermined	Ongoing
402	Oahu	MCBH Kaneohe	Marines MFH MCBH Nani Ulupau	Low	Assessment	Hazard Undetermined	Ongoing
403	Oahu	MCBH Kaneohe	Marines MFH MCBH Pa Honua III	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
404	Oahu	MCBH Kaneohe	Marines MFH MCBH Ulupau	Low	Assessment	Hazard Undetermined	Ongoing
405	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu Manning	Low	Assessment	Hazard Undetermined	Ongoing
406	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu NCO Row	Low	Assessment	Hazard Undetermined	Ongoing
407	Oahu	MCBH Kaneohe	Marines MFH MCBH Waikulu Rainbow	Low	Assessment	Hazard Undetermined	Ongoing
408	Oahu	Mililani	HECO Transformer 27269	Medium	Response	Hazard Undetermined	Inactive
409	Oahu	Nanakuli	Kaiser Cement Corp Waianae Point	Medium	Response	Hazard Present	Inactive
410	Oahu	Palolo	Palolo Elementary School	Low	Response	Hazard Undetermined	Inactive
411	Oahu	Pearl City	Hawaii Army National Guard Waiawa Gulch	Low	Response	Hazard Present	Ongoing
412	Oahu	Pearl City	HECO Generating Station: Waiau	Low	Response	Hazard Undetermined	Inactive
413	Oahu	Pearl City	HECO Waiau Generating Station Tank 4	Low	Response	Hazard Undetermined	Ongoing
414	Oahu	Pearl City	Marines MFH Manana	Low	Assessment	Hazard Undetermined	Ongoing
415	Oahu	Pearl City	Navy MFH Manana	Low	Assessment	Hazard Undetermined	Ongoing
416	Oahu	Pearl City	Navy MFH Pearl City Peninsula	Low	Assessment	Hazard Undetermined	Ongoing
417	Oahu	Pearl City	Pearl City Urban Garden Center	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
418	Oahu	Pearl City	Waimano Home Campus	Low	Assessment	Hazard Managed With Engineering Controls	Inactive
419	Oahu	Pearl City	Waterfront Manor	Medium	Assessment	Hazard Undetermined	Inactive
420	Oahu	Schofield Barracks	Army MFH SB Akolea	Low	Assessment	Hazard Undetermined	Ongoing
421	Oahu	Schofield Barracks	Army MFH SB Aloala	Low	Response	Hazard Managed With Engineering Controls	Ongoing
422	Oahu	Schofield Barracks	Army MFH SB Canby	Low	Assessment	Hazard Undetermined	Ongoing
423	Oahu	Schofield Barracks	Army MFH SB Generals Loop	Low	Assessment	Hazard Undetermined	Ongoing

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
424	Oahu	Schofield Barracks	Army MFH SB Hamilton	Low	Assessment	Hazard Undetermined	Ongoing
425	Oahu	Schofield Barracks	Army MFH SB Kaena	Low	Response	Hazard Managed With Engineering Controls	Ongoing
426	Oahu	Schofield Barracks	Army MFH SB Kalakaua	NFA	Response	No Hazard	NFA
427	Oahu	Schofield Barracks	Army MFH SB Leader Field	Low	Assessment	Hazard Undetermined	Ongoing
428	Oahu	Schofield Barracks	Army MFH SB Mendonca Park	Low	Assessment	Hazard Undetermined	Ongoing
429	Oahu	Schofield Barracks	Army MFH SB Moyer	Low	Response	Hazard Managed With Engineering Controls	Ongoing
430	Oahu	Schofield Barracks	Army MFH SB Patriot	Low	Assessment	Hazard Undetermined	Ongoing
431	Oahu	Schofield Barracks	Army MFH SB Porter	Low	Response	Hazard Managed With Engineering Controls	Ongoing
432	Oahu	Schofield Barracks	Army MFH SB Ralston	Low	Assessment	Hazard Undetermined	Ongoing
433	Oahu	Schofield Barracks	Army MFH SB Santa Fe	Low	Assessment	Hazard Undetermined	Ongoing
434	Oahu	Schofield Barracks	Army MFH SB Solomon	Low	Assessment	Hazard Undetermined	Ongoing
435	Oahu	Tripler AMC	Army MFH TAMC Rainbow Village	Low	Assessment	Hazard Undetermined	Ongoing
436	Oahu	Wahiawa	Navy MFH NCTAMS PAC Wahiawa	Low	Assessment	Hazard Undetermined	Ongoing
437	Oahu	Wahiawa	Wheeler Army Airfield Transformer WAAF-27	NFA	Response	Hazard Managed With Engineering Controls	NFA
438	Oahu	Waialua	Waialua Sugar Mill Settling Ponds	Medium	Response	Hazard Undetermined	Ongoing
439	Oahu	Waialua	Waialua Sugar Mill VRP Site	High	Response	Hazard Managed With Engineering Controls	Ongoing
440	Oahu	Waianae	HECO Substation: Mikilua Substation	Low	Assessment	Hazard Undetermined	Inactive
441	Oahu	Waianae	Industrial Technology Tire Pile	Medium	Assessment	Hazard Undetermined	Ongoing
442	Oahu	Waimanalo	Air Force MFH Bellows Renovation	Low	Assessment	Hazard Undetermined	Ongoing
443	Oahu	Waimanalo	HECO Transformer 27728 (Vault 3032)	Low	Response	Hazard Undetermined	Inactive
444	Oahu	Waimanalo	University of Hawaii, Waimanalo Experimental Farm	Low	Assessment	Hazard Undetermined	Inactive

LIST OF HAWAI'I STATE RESPONSE PROGRAM SITES

<b><u>Hawai'i State Response Program List of Priority Sites</u></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 Control</u></b>	<b><u>Site Status</u></b>
445	Oahu	Waimanalo	Waimanalo Areawide Groundwater Contamination	Low	Assessment	Hazard Present	Inactive
446	Oahu	Waipahu	Navy MFH Ford Island	Low	Assessment	Hazard Undetermined	Ongoing
447	Oahu	Waipahu	Waipio Heights Wells II	Low	Assessment	Hazard Undetermined	Inactive
448	Oahu	Waipio	Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula	Medium	Response	Hazard Managed With Engineering Controls	Ongoing
449	Oahu	Wheeler AAF	Army MFH WAAF Kunia	Low	Assessment	Hazard Undetermined	Ongoing
450	Oahu	Wheeler AAF	Army MFH WAAF Puali North	Low	Assessment	Hazard Undetermined	Ongoing
451	Oahu	Wheeler AAF	Army MFH WAAF Puali South	Low	Assessment	Hazard Undetermined	Ongoing
452	Oahu	Wheeler AAF	Army MFH WAAF Wilikina	NFA	Assessment	No Hazard	NFA
453	Oahu	Wheeler AAF	Army MFH WAAF Wiliwili	Low	Assessment	Hazard Undetermined	Ongoing

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LIST OF HAWAII STATE RESPONSE PROGRAM SITES

Department of Defense Program List of Priority Sites							
	<u>Island</u>	<u>Installation</u>	<u>Program</u>	<u>Site Name</u>	<u>Priority</u>	<u>Action</u>	<u>Potential Hazard and Control</u>
1	Hawaii	Army, Corps of Engineers	FUDS	FUDS Army Impact Range	High	Assessment	Hazard Present
2	Hawaii	Army, Corps of Engineers	FUDS	FUDS Firing Range and Camp, Lalamilo, Hawaii	High	Response	Hazard Present
3	Hawaii	Army, Corps of Engineers	FUDS	FUDS Ka'u Bombing Range	Medium	Assessment	Hazard Present
4	Hawaii	Army, Corps of Engineers	FUDS	FUDS Keaau Bombing Target	Medium	Assessment	Hazard Present
5	Hawaii	Army, Corps of Engineers	FUDS	FUDS Makanalaua Bombing Range	Medium	Assessment	Hazard Present
6	Hawaii	Army, Corps of Engineers	FUDS	FUDS Nansay Hawaii	Low	Assessment	Hazard Present
7	Hawaii	Army, Corps of Engineers	FUDS	FUDS Pakini Bombing Range	Medium	Assessment	Hazard Present
8	Hawaii	Army, Corps of Engineers	FUDS	FUDS Wahine Maka Nui Target	Medium	Assessment	Hazard Present
9	Hawaii	Army, Corps of Engineers	FUDS	FUDS Waikoloa Maneuver Area	Low	Response	Hazard Present
10	Hawaii	Army, Kilauea Military Camp	IRP	Kilauea Military Camp	Low	Assessment	Hazard Undetermined
11	Hawaii	Army, Kilauea Military Camp	IRP	Kilauea Military Camp, POL Area, Former Lab, & Former Landfill	Low	Assessment	Hazard Undetermined
12	Hawaii	Army, Kilauea Military Camp	MMRP	Kilauea Military Reservation Kau Desert Impact Training Area	Medium	Assessment	Hazard Undetermined
13	Hawaii	Army, Kilauea Military Camp	MMRP	Kilauea Military Reservation MMRP	Medium	Assessment	Hazard Undetermined
14	Hawaii	Army, Pohakuloa Training Area	IRP	Pohakuloa Training Area, Pesticide Storage, FFTA, Landfill 1 & 2	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
15	Hawaii	Army, Pohakuloa Training Area	IRP	Pohakuloa Training Area, Vehicle Refueling Area	Low	Assessment	Hazard Undetermined
16	Hawaii	Army, Pohakuloa Training Area	MMRP	Pohakuloa Training Area MMRP	Medium	Assessment	Hazard Present
17	Johnston	Army, Johnston Atoll	Army	Johnston Atoll, Pacific Ocean	Low	Assessment	Hazard Undetermined
18	Kauai	Air Force, Kokee Air Force Station	IRP	Kokee AFS EA01	Low	Assessment	Hazard Undetermined
19	Kauai	Air Force, Kokee Air Force Station	IRP	Kokee AFS EA02	Low	Assessment	Hazard Undetermined
20	Kauai	Air Force, Kokee Air Force Station	IRP	Kokee AFS SS01	Low	Assessment	Hazard Undetermined
21	Kauai	Air Force, Kokee Air Force Station	IRP	Kokee AFS SS02	Low	Assessment	Hazard Undetermined

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
22	Kauai	Army, Corps of Engineers	FUDS	FUDS Ahukini	Medium	Assessment	Hazard Present
23	Kauai	Army, Corps of Engineers	FUDS	FUDS Grove Farm Artillery Range, Kauai	Medium	Response	Hazard Managed With Engineering Controls
24	Kauai	Army, Corps of Engineers	FUDS	FUDS Waimea Training Site	Medium	Assessment	Hazard Present
25	Kauai	Navy, Pacific Missile Range Facility	IRP	PMRF, Battery Acid Disposal Pit	Low	Assessment	Hazard Undetermined
26	Kauai	Navy, Pacific Missile Range Facility	IRP	PMRF, Crash Crew Firefighting Pit 1	Low	Assessment	Hazard Undetermined
27	Kauai	Navy, Pacific Missile Range Facility	IRP	PMRF, Firefighting Pit No. 2	Low	Assessment	Hazard Undetermined
28	Kauai	Navy, Pacific Missile Range Facility	IRP	PMRF, Landfill Site	Low	Assessment	Hazard Undetermined
29	Kauai	Navy, Pacific Missile Range Facility	IRP	PMRF, Torpedo Postrun Facility Drain	Low	Assessment	Hazard Undetermined
30	Lanai	Army, Corps of Engineers	FUDS	FUDS Lanai Bombing Targets	Medium	Assessment	Hazard Present
31	Lanai	Army, Corps of Engineers	FUDS	FUDS Lanai Radar Station	Low	Response	Hazard Present
32	Maui	Army, Corps of Engineers	FUDS	FUDS Gunnery Site, Makawao	Medium	Response	Hazard Present
33	Maui	Army, Corps of Engineers	FUDS	FUDS Kamaole Training Base	NFA	Remedy Selection Complete	Hazard Present
34	Maui	Army, Corps of Engineers	FUDS	FUDS Kane Pua Naval Bombing Range	Medium	Assessment	Hazard Present
35	Maui	Army, Corps of Engineers	FUDS	FUDS Maui Bombing Targets	Medium	Assessment	Hazard Present
36	Maui	Army, Corps of Engineers	FUDS	FUDS Opana Point	Medium	Assessment	Hazard Present
37	Molokai	Army, Corps of Engineers	FUDS	FUDS Engineer Base Yard	NFA	Remedy Selection Complete	Hazard Undetermined
38	Molokai	Army, Corps of Engineers	FUDS	FUDS Unexploded Ordnance Removal, Molokini Island	Medium	Response	Hazard Present
39	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFB SS05	Low	Assessment	Hazard Undetermined
40	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS AOC10	Low	Assessment	Hazard Undetermined
41	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS AOC18	Low	Assessment	Hazard Undetermined
42	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS AOC20	Low	Assessment	Hazard Undetermined

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43	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS AOC21	Low	Assessment	Hazard Undetermined
44	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS DP06	Low	Assessment	Hazard Undetermined
45	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS DP17	Low	Assessment	Hazard Undetermined
46	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS EA03	Low	Assessment	Hazard Undetermined
47	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS EA04	Low	Assessment	Hazard Undetermined
48	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS EA05	Low	Assessment	Hazard Undetermined
49	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS EA09	Low	Assessment	Hazard Undetermined
50	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS LF01 & DA101, Landfills	NFA	Response	Hazard Managed With Engineering Controls
51	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS LF23, Hardfill Dump	NFA	Remedy Selection Complete	No Hazard
52	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS OU1	Low	Assessment	Hazard Undetermined
53	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS OU7	Low	Assessment	Hazard Undetermined
54	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS SD04	Low	Assessment	Hazard Undetermined
55	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS SD22	Low	Assessment	Hazard Undetermined
56	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS SS21	Low	Assessment	Hazard Undetermined
57	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST03	Low	Assessment	Hazard Undetermined
58	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST09	Low	Assessment	Hazard Undetermined
59	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST11	Low	Assessment	Hazard Undetermined
60	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST12	Low	Assessment	Hazard Undetermined
61	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST13	Low	Assessment	Hazard Undetermined
62	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST14	Low	Assessment	Hazard Undetermined
63	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST15	Low	Assessment	Hazard Undetermined

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<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
64	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows AFS ST16	Low	Assessment	Hazard Undetermined
65	Oahu	Air Force, Bellows Air Force Station	IRP	Bellows Air Force Station	Low	Assessment	Hazard Undetermined
66	Oahu	Air Force, Bellows Air Force Station	MMRP	Bellows AFS MRA39, Former Large Bomb Range	Medium	Assessment	Hazard Present
67	Oahu	Air Force, Bellows Air Force Station	MMRP	Bellows AFS MRA40, Former Skeet Range	Low	Assessment	Hazard Present
68	Oahu	Air Force, Bellows Air Force Station	MMRP	Bellows AFS MRA43, Urban Warfare Training Facility	Low	Assessment	Hazard Present
69	Oahu	Air Force, Fort Kamehameha	IRP	Fort Kamehameha DSPL Site	Low	Assessment	Hazard Undetermined
70	Oahu	Air Force, Hickam Air Force Base	Compliance	Hickam AFB, AMC Stripper Pit 43	Medium	Assessment	Hazard Present
71	Oahu	Air Force, Hickam Air Force Base	Compliance	Hickam AFB, Building 1760 USTs	Medium	Assessment	Hazard Present
72	Oahu	Air Force, Hickam Air Force Base	Compliance	Hickam AFB, Challenger Loop	NFA	Response	Hazard Managed With Engineering Controls
73	Oahu	Air Force, Hickam Air Force Base	DSMOA	Hickam AFB CF23, Former Mess Hall	Medium	Assessment	Hazard Present
74	Oahu	Air Force, Hickam Air Force Base	DSMOA	Hickam AFB DA103, Basewide PCB Study	Low	Remedy Selection Complete	Hazard Present
75	Oahu	Air Force, Hickam Air Force Base	DSMOA	Hickam Air Force Base	NFA	Response	No Hazard
76	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB AOC EA22, Wash Racks/Bldg 2025 and Near Bldg 1055	Low	Assessment	Hazard Undetermined
77	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB AOC KNMD-EA01 Potential Landfill	Low	Assessment	Hazard Undetermined
78	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB AOC KNMD-EA11 Old HIANG Area	Low	Assessment	Hazard Undetermined
79	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB Building 1204	Low	Assessment	Hazard Undetermined
80	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB CD125, West Debris Mound	Low	Assessment	No Hazard
81	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB CG110, Aircraft Maintenance/Carburetor Cleaning Area	Medium	Response	Hazard Managed With Engineering Controls
82	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SA144, Kuntz Ave Entrance Salvage Yard	Low	Response	Hazard Present
83	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SS06, Fuel Leak Area 9 (Area B)	Low	Response	Hazard Managed With Engineering Controls

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<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
84	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SS13, Fuel Leak Area 18, John Rodgers Tank Farm	NFA	Response	No Hazard
85	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SS15, Fuel Leak Area 15, Par 3 Golf Course	Low	Response	Hazard Managed With Engineering Controls
86	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SS156, POL Valve Pits A, B, D, E, I & J	Medium	Response	Hazard Managed With Engineering Controls
87	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB SS24, Reef Taxiway	NFA	Assessment	Hazard Managed With Engineering Controls
88	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST01, Officer's Club USTs	NFA	Response	No Hazard
89	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST20, EOD Area USTs	Low	Assessment	Hazard Present
90	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST27, John Rodgers Tank Farm	Low	Assessment	Hazard Present
91	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST28, Hickam Runway USTs & Cesspools	Low	Assessment	Hazard Present
92	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST29, Bishop Point USTs	Low	Assessment	Hazard Undetermined
93	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST30, Signer Residential USTs	Low	Assessment	Hazard Undetermined
94	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST31, Hangar Avenue USTs & Abandoned Pipeline	Low	Assessment	Hazard Undetermined
95	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST32, Vickers Avenue USTs	Low	Assessment	Hazard Present
96	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST33, Fox Boulevard USTs	NFA	Response	No Hazard
97	Oahu	Air Force, Hickam Air Force Base	IRP	HICKAM AFB ST34, Clean Water Rinse Facility	Medium	Assessment	Hazard Present
98	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST34, POL Area 11 Tank Farm	Low	Assessment	Hazard Present
99	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST35, Kuntz Avenue USTs	Low	Assessment	Hazard Present
100	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB ST38, Fort Kamehameha USTs	Low	Assessment	Hazard Undetermined
101	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB, Building 1805 USTs	Low	Assessment	Hazard Undetermined
102	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam AFB, Building 1815 UST	Medium	Assessment	Hazard Undetermined
103	Oahu	Air Force, Hickam Air Force Base	IRP	Hickam Former Building 2156 AST	Medium	Assessment	Hazard Present
104	Oahu	Air Force, Hickam Air Force Base	IRP	Waiawa Stream Tributary, Pearl City	Low	Assessment	Hazard Undetermined

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<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
105	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA1X, Former Skeet Ranges	Medium	Assessment	Hazard Present
106	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA1X, MRS TS001 Hickam Skeet Range	Low	Assessment	Hazard Present
107	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA2X, Small Skeet Range	Low	Assessment	No Hazard
108	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA3X, Former Moving Base Skeet Range	Low	Assessment	No Hazard
109	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range	Low	Assessment	No Hazard
110	Oahu	Air Force, Hickam Air Force Base	MMRP	Hickam AFB MRA54, Former EOD Proficiency Range	Low	Assessment	Hazard Present
111	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Compliance	Hickam POL ST20, Spill Site ST20	NFA	Assessment	No Hazard
112	Oahu	Air Force, Hickam POL Pipeline and Storage Area	Compliance	Hickam POL ST27, Spill Site 27 (Formerly EA03)	NFA	Remedy Selection Complete	Hazard Undetermined
113	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL DA30, Kipapa FSA Abandoned Drum Site	NFA	Response	No Hazard
114	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST01, Kipapa Fuel Storage Annex	High	Assessment	Hazard Present
115	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST01C, KFSA UST, OWS, & Cesspool	High	Response	Hazard Present
116	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST02, Spill Site ST02 & Valve Pit 26	Medium	Assessment	Hazard Present
117	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST03, Spill Site ST03 & Valve Pits 14, 15, 15A, & 16	Medium	Assessment	Hazard Present
118	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST05, Spill Site ST05 and Valve Pits 1 thru 13	Low	Assessment	Hazard Undetermined
119	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST10, Valve Pit 17	NFA	Response	Hazard Managed With Institutional Controls
120	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST12, Waikakalaua Fuel Storage Annex	NFA	Response	Hazard Managed With Institutional Controls
121	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST13, Spill Site ST13	Medium	Assessment	Hazard Undetermined

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122	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST14, Spill Site ST14 & Valve Pit 30	Medium	Assessment	Hazard Present
123	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST18, Spill Site 18A & B	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
124	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST21, Spill Site ST21 & Valve Pit 29	Medium	Assessment	Hazard Present
125	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST25, Spill Site 25 (Formerly EA02)	NFA	Assessment	No Hazard
126	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST26, Spill Site 26 (Formerly EA01)	NFA	Response	No Hazard
127	Oahu	Air Force, Hickam POL Pipeline and Storage Area	IRP	Hickam POL ST28, Spill Site 28 (Formerly EA05)	Low	Assessment	Hazard Undetermined
128	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point Satellite Tracking Station	NFA	Response	Hazard Managed With Engineering Controls
129	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point STS EA01	Low	Assessment	Hazard Undetermined
130	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point STS EA03	Low	Assessment	Hazard Undetermined
131	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point STS EA04	Low	Assessment	Hazard Undetermined
132	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point STS EA05	Low	Assessment	Hazard Undetermined
133	Oahu	Air Force, Kaena Point Satellite Tracking Station	IRP	Kaena Point STS EA07	Low	Assessment	Hazard Undetermined
134	Oahu	Air Force, Palehua Solar Observatory	IRP	Palehua Solar Observatory	Low	Assessment	Hazard Undetermined
135	Oahu	Air Force, Punamano Air Force Station	IRP	Punamano Air Force Station	Low	Assessment	Hazard Undetermined
136	Oahu	Army, Aliamanu Military Reservation	Army	Aliamanu Military Reservation 1850 Aliamanu Drive	Low	Assessment	Hazard Undetermined
137	Oahu	Army, Aliamanu Military Reservation	IRP	Aliamanu Military Reservation	Low	Assessment	Hazard Undetermined
138	Oahu	Army, Aliamanu Military Reservation	IRP	Aliamanu Military Reservation, Bunker & Residential Areas	Low	Assessment	Hazard Undetermined

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139	Oahu	Army, Aliamanu Military Reservation	IRP	Aliamanu Military Reservation, Seal Tunnel Portals	Low	Assessment	Hazard Undetermined
140	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	IRP	Fort Barrette, Safety Hazard Removal	Low	Assessment	Hazard Undetermined
141	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	IRP	Waikakalaua Ammo Storage Tunnels	Medium	Assessment	Hazard Undetermined
142	Oahu	Army, Army Garrison Hawaii, Directorate of Public Works	MMRP	Waikakalaua Ammunitions Storage Tunnel MMRP	Medium	Assessment	Hazard Undetermined
143	Oahu	Army, Corps of Engineers	FUDS	FUDS Aiea Military Reservation	NFA	Remedy Selection Complete	Hazard Present
144	Oahu	Army, Corps of Engineers	FUDS	FUDS Dillingham Air Force Base	Low	Assessment	Hazard Present
145	Oahu	Army, Corps of Engineers	FUDS	FUDS Heeia Combat Training Camp	High	Response	Hazard Present
146	Oahu	Army, Corps of Engineers	FUDS	FUDS Hickam Airfield	NFA	Remedy Selection Complete	No Hazard
147	Oahu	Army, Corps of Engineers	FUDS	FUDS Kahuku Training Area	Medium	Assessment	Hazard Present
148	Oahu	Army, Corps of Engineers	FUDS	FUDS Mahukona Range	Medium	Assessment	Hazard Present
149	Oahu	Army, Corps of Engineers	FUDS	FUDS Makapuu Light House	Medium	Assessment	Hazard Present
150	Oahu	Army, Corps of Engineers	FUDS	FUDS Mokuhooniki Island	Medium	Assessment	Hazard Present
151	Oahu	Army, Corps of Engineers	FUDS	FUDS Oahu Target Island	High	Assessment	Hazard Present
152	Oahu	Army, Corps of Engineers	FUDS	FUDS Offshore Waianae Sewage Outfall	Low	Assessment	Hazard Present
153	Oahu	Army, Corps of Engineers	FUDS	FUDS Pacific Jungle Combat Training Area	High	Assessment	Hazard Present
154	Oahu	Army, Corps of Engineers	FUDS	FUDS Pali Training Camp	High	Assessment	Hazard Present
155	Oahu	Army, Corps of Engineers	FUDS	FUDS Popoki Target Area	High	Response	Hazard Present
156	Oahu	Army, Corps of Engineers	FUDS	FUDS Rabbit Island	High	Assessment	Hazard Present
157	Oahu	Army, Corps of Engineers	FUDS	FUDS Statewide Area Management Plan-MAPS	Low	Assessment	No Hazard
158	Oahu	Army, Corps of Engineers	FUDS	FUDS Waikane Training Area	High	Response	Hazard Present

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159	Oahu	Army, Corps of Engineers	FUDS	FUDS Wailua Artillery Impact Area	High	Assessment	Hazard Present
160	Oahu	Army, Corps of Engineers	FUDS	FUDS Waimea Falls Park	Medium	Assessment	Hazard Present
161	Oahu	Army, Dillingham Military Reservation	IRP	Dillingham Military Reservation, Former Transformer Site	Low	Assessment	Hazard Undetermined
162	Oahu	Army, Fort DeRussy	IRP	Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108)	Low	Assessment	Hazard Undetermined
163	Oahu	Army, Fort Shafter	IRP	Fort Shafter, Fort Shafter Flats	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
164	Oahu	Army, Fort Shafter	MMRP	Fort Shafter, Drill Field, Pistol Range, and Rifle Ranges 1 & 2	Medium	Remedy Selection Complete	No Hazard
165	Oahu	Army, Kahuku Training Area	IRP	Kahuku Training Area, Former Transformer Site	Low	Assessment	Hazard Undetermined
166	Oahu	Army, Kapalama Military Reservation	Army	Kapalama Military Reservation South Oahu Location	Low	Assessment	Hazard Undetermined
167	Oahu	Army, Kapalama Military Reservation	IRP	Kapalama Military Residential	Low	Assessment	Hazard Undetermined
168	Oahu	Army, Kunia Military Reservation	IRP	Kunia Field Station	Low	Assessment	Hazard Undetermined
169	Oahu	Army, Kunia Military Reservation	IRP	Kunia Field Station, Microwave Tower & Building 25	Low	Assessment	Hazard Undetermined
170	Oahu	Army, Makua Military Reservation	MMRP	Makua Military Reservation MMRP	High	Assessment	Hazard Present
171	Oahu	Army, Schofield Barracks	Army	Building Quad-J	Low	Assessment	Hazard Undetermined
172	Oahu	Army, Schofield Barracks	Army	Schofield Barracks Buildings 652, 649, 650	Low	Assessment	Hazard Undetermined
173	Oahu	Army, Schofield Barracks	Army	Schofield Barracks NCO Academy Building 6055	Low	Assessment	Hazard Undetermined
174	Oahu	Army, Schofield Barracks	IRP	Schofield Barracks Site 26 Car Care	Low	Assessment	Hazard Undetermined
175	Oahu	Army, Schofield Barracks	IRP	Schofield Barracks, Operable Unit 2 (OU2)	High	Response	Hazard Present
176	Oahu	Army, Schofield Barracks	IRP	Schofield Barracks, Operable Unit 4 (OU4) Landfill	NFA	Remedy Selection Complete	Hazard Present
177	Oahu	Army, Schofield Barracks	IRP	Schofield Barracks, UST Building 3010A	Low	Assessment	Hazard Present
178	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Garden Gulch	Low	Assessment	Hazard Undetermined

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
179	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Site A-100-L-2	Low	Assessment	Hazard Undetermined
180	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Site A-100-L-2 (TD)	Low	Assessment	Hazard Undetermined
181	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Site ER-7A	Medium	Assessment	Hazard Undetermined
182	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Small Bore Range	Low	Assessment	Hazard Undetermined
183	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Southern Pistol Ranges	Low	Assessment	Hazard Undetermined
184	Oahu	Army, Schofield Barracks	MMRP	Schofield Barracks, Yonkers Range	Medium	Response	Hazard Present
185	Oahu	Army, Tripler Army Medical Center	IRP	Tripler Army Medical Center, Landfill	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
186	Oahu	Army, Wheeler Army Airfield	IRP	Wheeler Army Airfield, Archery Range	Low	Assessment	Hazard Undetermined
187	Oahu	Army, Wheeler Army Airfield	MMRP	Wheeler Army Airfield MMRP	Low	Assessment	Hazard Undetermined
188	Oahu	Del Monte Fresh Produce (Hawaii) Inc.	NPL	Del Monte Corp (Oahu Plantation)	Low	Response	Hazard Managed With Engineering Controls
189	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Fire Fighting Training Pits	Low	Response	Hazard Present
190	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Former Fuel Farm	Low	Assessment	Hazard Present
191	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Former Machine Gun Ranges	Low	Response	Hazard Present
192	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, MWR Warehouse Area	Low	Response	Hazard Present
193	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Navy Public Works Center	Low	Response	Hazard Present
194	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Regional Groundwater System	Low	Assessment	Hazard Undetermined
195	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Runway 11 Clear Zone	Low	Assessment	Hazard Undetermined
196	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Sanitary Landfill	Low	Assessment	Hazard Present
197	Oahu	Navy, Barbers Point Naval Air Station	BRAC	BRAC Barbers Point, Transformer Substations	Low	Response	Hazard Present
198	Oahu	Navy, Barbers Point Naval Air Station	Compliance	Barbers Point NAS, UST BP 19-20	Low	Assessment	Hazard Undetermined
199	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS Station P	High	Assessment	Hazard Present

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<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
200	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS UST NABP-89	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
201	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Auto Hobby Shop	Low	Assessment	Hazard Undetermined
202	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Coral Pit 1	Low	Assessment	Hazard Undetermined
203	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Former Drum Crushing Area	NFA	Remedy Selection Complete	Hazard Present
204	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Golf Course	NFA	Remedy Selection Complete	No Hazard
205	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Golf Course Battery	Low	Assessment	Hazard Undetermined
206	Oahu	Navy, Barbers Point Naval Air Station	IRP	Barbers Point NAS, Golf Course Maintenance Building	Low	Response	Hazard Present
207	Oahu	Navy, Barbers Point Naval Air Station	Navy	BRAC Barbers Point, Coral Pit, Ordnance Pond, Sanitary Landfill	Low	Assessment	Hazard Undetermined
208	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Abandoned Tank	Medium	Assessment	Hazard Undetermined
209	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Building 4 & Open Storage	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls
210	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Contaminated Groundwater	Medium	Assessment	Hazard Undetermined
211	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Merry Point Old Diesel Purifier	Medium	Assessment	Hazard Undetermined
212	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Pearl City Fuel Annex	Medium	Assessment	Hazard Present
213	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, PWC Gas Station Bldg 1326	Medium	Assessment	Hazard Undetermined
214	Oahu	Navy, Fleet and Industrial Supply Center (FISC)	IRP	PHFISC, Surface Disposal Area	Medium	Assessment	Hazard Present
215	Oahu	Navy, Marine Corps, Camp Smith	IRP	Camp HM Smith UST CS007	Low	Assessment	Hazard Undetermined
216	Oahu	Navy, Marine Corps, Camp Smith	IRP	Camp Smith, PCB Spill	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
217	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH Quarry Pit Landfill	Low	Response	Hazard Present
218	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, AST 1253	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
219	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Battery Shop Building 373	Low	Assessment	Hazard Undetermined
220	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 1091 Oil Transfer Area	Low	Assessment	Hazard Undetermined
221	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 3052	Low	Assessment	Hazard Undetermined
222	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 368 Oil Spill	Low	Assessment	Hazard Undetermined
223	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 375 Oil Spill	Low	Assessment	Hazard Undetermined
224	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 454 Disposal Area	Low	Assessment	Hazard Undetermined
225	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Building 536 Solvent Disposal	Low	Assessment	Hazard Undetermined
226	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, End of Runway Disposal Area	Low	Assessment	Hazard Undetermined
227	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Facility Depot Salvage Yard	Low	Assessment	Hazard Undetermined
228	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Fire Bomb Mixing Site	Low	Assessment	Hazard Undetermined
229	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Fire Fighting Training Area	Low	Response	Hazard Undetermined
230	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Fuel Farm Sludge Disposal Area	Medium	Assessment	Hazard Present
231	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Fuel Oil Pipeline	Low	Assessment	Hazard Undetermined
232	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, H-3 Sanitary Landfill	High	Assessment	Hazard Undetermined

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<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
233	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, MAC Squad 2	Low	Assessment	Hazard Undetermined
234	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Old Storage Behind Building 131	Low	Assessment	Hazard Undetermined
235	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Ordnance Demolition Area	Low	Assessment	Hazard Undetermined
236	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Pollock Field Oil Spill	Low	Assessment	Hazard Undetermined
237	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Range Disposal Area	Low	Assessment	Hazard Undetermined
238	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, TSF Molokai Paint Pit	Low	Assessment	Hazard Undetermined
239	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, UST KB-44	Low	Assessment	Hazard Undetermined
240	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, UST KB-73	Low	Assessment	Hazard Undetermined
241	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	Kaneohe MCBH, Various Transformer Locations	Low	Assessment	Hazard Undetermined
242	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	MCBH Kaneohe Bay	Low	Assessment	Hazard Undetermined
243	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	MCBH Kaneohe Bay Building 1091	Low	Assessment	Hazard Undetermined
244	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	MCBH Kaneohe Bay Firebomb Mixing Area	Low	Assessment	Hazard Undetermined
245	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	IRP	MCBH Kaneohe Bay Skeet Shooting Range	Low	Assessment	Hazard Undetermined
246	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MMRP	Kaneohe Marine Corps Base Hawaii MMRP	Medium	Assessment	Hazard Undetermined
247	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MMRP	Kaneohe MCBH, Moving Target Range	Medium	Response	Hazard Undetermined
248	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MMRP	Kaneohe MCBH, Skeet & Trap Range	Low	Assessment	Hazard Undetermined

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
249	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MMRP	Kaneohe MCBH, Small Arms & Malfunction Range	NFA	Remedy Selection Complete	Hazard Undetermined
250	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	MMRP	Kaneohe MCBH, Waikane Valley	High	Assessment	Hazard Present
251	Oahu	Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii	Navy	MCBH Kaneohe Bay Landfill	Low	Assessment	Hazard Undetermined
252	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	IRP	NAVCAM	Low	Assessment	Hazard Undetermined
253	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	IRP	NCTAMSPAC Center Street	Medium	Response	Hazard Managed With Engineering Controls
254	Oahu	Navy, Naval Computer and Telecommunications Area Master Station-Pacific	IRP	NCTAMSPAC Radio Transmitter Facility Lualualei	High	Assessment	Hazard Present
255	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	IRP	NAVMAG West Loch, 4th Street Coral Pit Landfill	Medium	Assessment	Hazard Present
256	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	IRP	NAVMAG West Loch, NISMO Facility	NFA	Remedy Selection Complete	No Hazard
257	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	IRP	NAVMAG West Loch, Otto Fuel Waste Storage Area	Low	Assessment	Hazard Undetermined
258	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	IRP	NAVMAG West Loch, Vehicle Maintenance Facility	Low	Assessment	Hazard Undetermined
259	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	IRP	NAVMAG West Loch, West Loch Fuel Storage Facility AST	Low	Assessment	Hazard Undetermined
260	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	MMRP	NAVMAG West Loch, Burning Pit MRS	Low	Response	Hazard Present
261	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	MMRP	NAVMAG West Loch, Electrical Components Disposal Area MRS	Low	Assessment	Hazard Undetermined
262	Oahu	Navy, Naval Magazine Lualualai (West Loch Branch)	MMRP	NAVMAG West Loch, Injection Well MRS	Low	Assessment	Hazard Undetermined

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
263	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	Naval Magazine Lualualei (Lualualei Branch)	Low	Assessment	Hazard Undetermined
264	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Auxiliary Power Building 77	Low	Assessment	Hazard Undetermined
265	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Building 4 Pesticide Shop	Medium	Remedy Selection Complete	No Hazard
266	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Central Operations Area	Low	Assessment	Hazard Undetermined
267	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Outlying Operations Area	Low	Assessment	Hazard Undetermined
268	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Salvage Yard	Medium	Response	Hazard Present
269	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Stormwater & Sewer Water System	Low	Assessment	Hazard Undetermined
270	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	NAVMAG LLL Waipio Peninsula	High	Response	Hazard Present
271	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	IRP	Waipahu Incinerator/Ash Dump	High	Response	Hazard Present
272	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Closed Small Arms Range MRS	Low	Assessment	Hazard Undetermined
273	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Emergency Open Detonation Area	NFA	Remedy Selection Complete	No Hazard
274	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Fill Area MRS	Low	Assessment	Hazard Undetermined
275	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Former Emergency Detonation Area	Low	Assessment	Hazard Undetermined
276	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Homemade Incinerator MRS	Low	Assessment	Hazard Present
277	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL M-28 Rifle Grenade Range MRS	Low	Assessment	Hazard Undetermined
278	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Ordnance Burn Area MRS	Low	Assessment	Hazard Undetermined

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	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
279	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Rocket Test Facility MRS	Low	Assessment	Hazard Undetermined
280	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Rocket Test Range MRS	Low	Response	Hazard Undetermined
281	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Small Arms Range II	Low	Assessment	Hazard Undetermined
282	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL Trap and Skeet Range MRS	Low	Assessment	Hazard Undetermined
283	Oahu	Navy, Naval Magazine Lualualei (Lualualei Branch)	MMRP	NAVMAG LLL, Drop Test Tower	NFA	Remedy Selection Complete	No Hazard
284	Oahu	Navy, Naval Magazine Lualualei (Waikale Branch)	IRP	NAVMAG Waikale, Building 21	Low	Response	Hazard Managed With Engineering Controls
285	Oahu	Navy, Naval Magazine Lualualei (Waikale Branch)	IRP	NAVMAG Waikale, Burn Pit/Disposal Area	Low	Response	Hazard Managed With Engineering Controls
286	Oahu	Navy, Naval Magazine Lualualei (Waikale Branch)	IRP	NAVMAG Waikale, Contaminated Soil, Waipio	High	Assessment	Hazard Present
287	Oahu	Navy, Naval Magazine Lualualei (Waikale Branch)	IRP	NAVMAG Waikale, USTs 50 & 51	Low	Assessment	Hazard Undetermined
288	Oahu	Navy, Naval Magazine Pearl Harbor	MMRP	Naval Magazine Pearl Harbor MMRP	High	Assessment	Hazard Present
289	Oahu	Navy, NAVCAMS EASTPAC Opana	Compliance	Opana (HI1170090053)	Low	Assessment	Hazard Undetermined
290	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Abandoned Firing Range	Medium	Assessment	Hazard Undetermined
291	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Antenna 354 Disposal Area	Medium	Assessment	Hazard Undetermined
292	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Antenna 403 Disposal Area	Medium	Assessment	Hazard Present
293	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Antenna 441 Disposal Area	Medium	Assessment	Hazard Present
294	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Building 1 Wells	Medium	Assessment	Hazard Undetermined
295	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Building 4 Sump	Medium	Assessment	Hazard Undetermined
296	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Building 6 Disposal Site	Medium	Response	Hazard Managed With Engineering Controls
297	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Building 65 Disposal Area	Medium	Assessment	Hazard Undetermined

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298	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, East Gulch Disposal Site	Medium	Assessment	Hazard Present
299	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Former Building 63 Tank	Medium	Assessment	Hazard Undetermined
300	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Old Coral Pit	Medium	Assessment	Hazard Undetermined
301	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Old Incinerator Site	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
302	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Old Wahiawa Landfill	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
303	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Service Station Gulch	Medium	Assessment	Hazard Undetermined
304	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Sewage Ponds	Medium	Assessment	Hazard Undetermined
305	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, Transformer Sites B-26 & 81	Medium	Assessment	Hazard Undetermined
306	Oahu	Navy, NCTAMS Pacific	IRP	NCTAMS, West Gulch Disposal Site	Medium	Assessment	Hazard Present
307	Oahu	Navy, Pacific Missile Range Facility	MMRP	Pacific Missile Range Facility MMRP	NFA	Remedy Selection Complete	Hazard Undetermined
308	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Building 394 Battery Acid Pit	Low	Assessment	Hazard Undetermined
309	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Building 68 Electric Shop	Medium	Assessment	Hazard Undetermined
310	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Ford Island Landfill	Medium	Response	Hazard Managed With Engineering Controls
311	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Former Public Works Center Industrial Waste Treatment Plant	Medium	Assessment	Hazard Present
312	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Hotel Pier Pearl Harbor	Low	Assessment	Hazard Undetermined
313	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl City Fuel Annex	High	Assessment	Hazard Undetermined
314	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl City Junction	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
315	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Naval Center, Fletragru Firetest Area	Low	Assessment	Hazard Undetermined
316	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Naval Center, Makalapa Crater	Medium	Assessment	Hazard Undetermined
317	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Naval Complex	Medium	Response	Hazard Present

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318	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Naval Supply Center	Low	Assessment	Hazard Undetermined
319	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Navy Public Works Center	Low	Assessment	Hazard Undetermined
320	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Navy Shipyard	Low	Response	Hazard Managed With Institutional Controls
321	Oahu	Navy, Pearl Harbor Naval Complex	IRP	Pearl Harbor Sediment Study	High	Assessment	Hazard Managed With Institutional Controls
322	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Aiea Laundry Building 436	Medium	Response	Hazard Present
323	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, B-60 Sludge Disposal Pit	Medium	Assessment	Hazard Undetermined
324	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, B-660 Plating Shore Disposal	Medium	Assessment	Hazard Undetermined
325	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, B-660 Spent Acid Disposal	Medium	Assessment	Hazard Undetermined
326	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Building 1754 NS-4 Site	NFA	Response	Hazard Managed With Institutional Controls
327	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Building 284 Engine Test Cell	Medium	Assessment	Hazard Undetermined
328	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Building 39 Storm Drain Lines	Medium	Assessment	Hazard Undetermined
329	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Building 43 Storm Drain Lines	Medium	Assessment	Hazard Undetermined
330	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Building 472, OPS Department Storage	Medium	Assessment	Hazard Undetermined
331	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Church Site Moanalua Housing	Medium	Response	Hazard Present
332	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, EPMU-6 B-1536 Lab O/W Pit	Medium	Assessment	Hazard Undetermined
333	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Ford Island Building 284	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
334	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Ford Island Landfill	Medium	Response	Hazard Managed With Engineering Controls
335	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Ford Island Transformers	NFA	Remedy Selection Complete	No Hazard
336	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Former Firefighting Training Area	NFA	Remedy Selection Complete	Hazard Managed With Engineering Controls

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
337	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Halawa Landing Pipeline	Medium	Response	Hazard Present
338	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Halawa Main Gate GSA, Remedial Action Area 11	Medium	Assessment	Hazard Present
339	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Halawa Main Gate GSA, Remedial Action Area 12	Medium	Response	Hazard Undetermined
340	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Quarry Loch Oil Seepage	Medium	Assessment	Hazard Undetermined
341	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Substation G, Building S-6	Medium	Assessment	Hazard Undetermined
342	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST 1 #1-77, #2-77, #3-77	Medium	Assessment	Hazard Undetermined
343	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST BP-1	Medium	Assessment	Hazard Undetermined
344	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST EP-1	Medium	Assessment	Hazard Undetermined
345	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST NSFI-90	NFA	Response	Hazard Managed With Institutional Controls
346	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST NSMB-99A	NFA	Response	Hazard Managed With Institutional Controls
347	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST NSMB-99B	NFA	Response	Hazard Managed With Institutional Controls
348	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, UST NSMB-99C	NFA	Response	Hazard Managed With Institutional Controls
349	Oahu	Navy, Pearl Harbor Naval Complex	IRP	PHNC, Various Housing Sites	Medium	Assessment	Hazard Undetermined
350	Oahu	Navy, Pearl Harbor Naval Complex	Mil	Makalapa Pesticide Pit	Low	Assessment	Hazard Undetermined
351	Oahu	Navy, Pearl Harbor Naval Complex	Navy	Pearl Harbor Hotel Pier 1 & 4	Low	Assessment	Hazard Undetermined
352	Oahu	Navy, Pearl Harbor Naval Complex	Navy	Pearl Harbor Shore Intermediate Maintenance Activity	Low	Assessment	Hazard Undetermined
353	Oahu	Navy, Pearl Harbor Naval Complex	Navy	USN Fleet Training Group	Low	Assessment	Hazard Undetermined
354	Oahu	Navy, Pearl Harbor Naval Complex	NPL	PHNC, UST NS-64	Medium	Remedy Selection Complete	Hazard Present

LIST OF HAWAII STATE RESPONSE PROGRAM SITES

<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
355	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Asbestos Contaminated Site N-W DD3	Medium	Remedy Selection Complete	Hazard Managed With Engineering Controls
356	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Building 215 Storm Drain Disposal	NFA	Remedy Selection Complete	Hazard Present
357	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Building 8	Medium	Remedy Selection Complete	Hazard Present
358	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Former Battery Acid Pit	Medium	Assessment	Hazard Present
359	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Former Lab & Annex B451 & T25	Medium	Assessment	Hazard Undetermined
360	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Foundry, Building 6, New 03	Medium	Response	Hazard Managed With Engineering Controls
361	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, NSY Transport Yard, New 02	Medium	Assessment	Hazard Undetermined
362	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Oscar 1 Pier Shoreline	Medium	Assessment	Hazard Present
363	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Storm/Sanitary Sewer Drain	Medium	Assessment	Hazard Undetermined
364	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, Sump Plating Tanks B67	Medium	Assessment	Hazard Undetermined
365	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, UST 5 & 10	Medium	Assessment	Hazard Undetermined
366	Oahu	Navy, Pearl Harbor Naval Shipyard	IRP	PHNSY, UST Locations #11	Medium	Assessment	Hazard Undetermined
367	Oahu	Navy, Public Works Center	IRP	Pearl Harbor Public Works Center, Former Electrical Shop (SMWU0022)	NFA	Remedy Selection Complete	No Hazard
368	Oahu	Navy, Public Works Center	IRP	PHPWC, Building X24 & Wash Rack X6	Medium	Assessment	Hazard Undetermined
369	Oahu	Navy, Public Works Center	IRP	PHPWC, Burn Area Near Pearl City Peninsula	Medium	Assessment	Hazard Undetermined
370	Oahu	Navy, Public Works Center	IRP	PHPWC, Makalapa Pesticide Rinseate	Medium	Remedy Selection Complete	No Hazard
371	Oahu	Navy, Public Works Center	IRP	PHPWC, Oil Reclamation/Incineration (Naval Shipyard)	Medium	Assessment	Hazard Undetermined
372	Oahu	Navy, Public Works Center	IRP	PHPWC, Paint Shop Storage	NFA	Remedy Selection Complete	Hazard Present
373	Oahu	Navy, Public Works Center	IRP	PHPWC, Various Transformers	Medium	Assessment	Hazard Undetermined

<b><u>Department of Defense Program List of Priority Sites</u></b>							
	<b><u>Island</u></b>	<b><u>Installation</u></b>	<b><u>Program</u></b>	<b><u>Site Name</u></b>	<b><u>Priority</u></b>	<b><u>Action</u></b>	<b><u>Potential Hazard and Control</u></b>
374	Oahu	Navy, Public Works Center	IRP	PHPWC, Various Transformers II	Medium	Assessment	Hazard Undetermined
375	Oahu	Navy, Public Works Center	IRP	PHPWC, Wastewater Treatment Plant Waste	Medium	Response	Hazard Undetermined
376	Oahu	Navy, Public Works Center	MMRP	PHPWC, Makalapa Landfill Area	NFA	Remedy Selection Complete	Hazard Undetermined
377	Oahu	Navy, Waiawa Shaft	Navy	Waiawa Shaft	Low	Assessment	Hazard Undetermined
378	Oahu	Navy, Waipio Peninsula	IRP	Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area	Low	Assessment	Hazard Present

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

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 331 notifications including 66 oil sheen notifications for the historic Chevron's Pipeline at Waiau CT10 area, for a total of 265 separate release cases. Notifications for actual releases of petroleum related substances numbered 208. HEER Office State On Scene Coordinators (SOSCs) performed direct oversight on 45 cases requiring on-site visits or off-scene coordination. Two cases were referred to other agencies.

**HEER Office Emergency Response Actions - FY 2010**

<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>
331 *	66	208	124	On-site: 27 Off-site: 18`	To HEER SDAR: 1 To Other: 2

\* The 66 Chevron Pipeline Oil Spill at Waiau CT10 Area specific notifications are counted as one notification

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LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawai'i State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
1	Hawaii	Hilo	Honohononui Quarry	20090813-0000	Petroleum	Soil
2	Hawaii	Hilo	Rusty Drums Discovered in New Hilo Cargo area	20091029-1230	Unknown	Soil
3	Hawaii	Hilo	HELCO POLE MOUNT TRANSFORMER 15172	20091228-1424	Ergon Hy-Volt II Insulating Oil	Soil
4	Hawaii	Hilo	Mid Pac Pet. gasoline spill during fuel delivery	20100128-1020	Gasoline	Concrete, asphalt
5	Hawaii	Hilo	HELCO pipeline anomaly	20100323-1655	Bunker and Diesel	Soil
6	Hawaii	Hilo	NCL Pride of America hydraulic oil release 943278	20100608-1148	Hydraulic Oil	Ocean
7	Hawaii	Honolulu	HELCO VOLTAGE REGULATOR # R328	20100426-0916	Transformer Oil	Soil
8	Hawaii	Kailua-Kona	Trout lodge and Ocean Rider Complaint	20100122-1530	None	None
9	Hawaii	Kailua-Kona	F/V Sammy Lou II 931631	20100218-1406	Diesel Fuel	
10	Hawaii	Kailua-Kona	Sheen 937621- Dawn Princess - cruise ship	20100420-1330	Oil	Ocean
11	Hawaii	Kailua-Kona	Capsized pleasure craft 938775	20100501-0948	Unknown	Ocean
12	Hawaii	Kailua-Kona	used oil dumping at Harley Davidson dealership	20100601-0737	Used oil	Soil
13	Hawaii	Kamuela	HELCO-TRANSFORMER #15578	20100426-0914	Transformer Oil	Soil
14	Hawaii	Kamuela	HELCO TRANSFORMER # 22015	20100426-0945	Transformer Oil	Soil
15	Hawaii	Kau	HELCO transformer #33939 pole-mounted release	20100617-0950	Transformer Oil	Soil
16	Hawaii	Kawaihae	Kawaihae Harbor Pier 2 Dry Well	20090820-0940	Petroleum Impacted Soil and Concrete	Soil
17	Hawaii	Keaau	HELCO transformer #8836 POLE-MOUNTED	20100617-0942	Transformer Oil	Soil
18	Hawaii	Keaau	HELCO transformer #17661 pole-mount release	20100617-0943	Transformer Oil	Soil
19	Hawaii	Kohala	HELCO pole-mounted #20630 transformer release	20100617-0947	Transformer Oil	Soil
20	Hawaii	Kurtistown	HELCO TRANSFORMER #17671	20100426-0913	Transformer Oil	Soil
21	Hawaii	Naalehu	Kamaoa Wind Farm	20100202-1000	Hydraulic Oil	Soil
22	Hawaii	Paauilo	HELCO pole-mounted Transformer #14867 release	20100617-0951	Transformer Oil	Soil
23	Kauai	Eleele	794 Laulea Street	20090910-0638	Zinc Chloride	Asphalt
24	Kauai	Kapaa	Norwegian Cruise Line employees	20090925-1454	Unknown	Other
25	Kauai	Kapaa	KIUC Transformer - Lehua and Niu Sts	20091022-1205	Transformer Oil	Soil
26	Kauai	Kekaha	Asbestos disposal	20100324-0926	Asbestos (Pipe insulation)	Other
27	Kauai	Koloa	5532 Tapa Street	20100323-1200	Diesel Fuel	Soil

LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawaii State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
28	Kauai	Lihue	Garden Isle Disposal Alleged Chemical Spill	20091218-1320	Unknown	Air
29	Kauai	Lihue	Sheen 929824	20100128-0700	Oil	Ocean
30	Kauai	Lihue	Kitty Wake sewage spill	20100331-1400	Sewage	Ocean
31	Kauai	Ocean	Fugitive Drum NRC 921842	20091027-1606	Unknown	Ocean
32	Lanai	Kaunakakai	Young Brothers' used cooking oil release	20100106-1132	used cooking oil	Within barge
33	Lanai	Lanai City	Diesel Generator "EMD 3"	20100524-0912	Lube Oil	Soil
34	Maui	Haiku	A&B Inc. chemical release Olekoi Corp site	20091109-1402	CHEMICALS FROM DRUMS	Soil
35	Maui	Haiku	MECO Transformer #9063	20100308-0919	Oil	Soil
36	Maui	Haiku	MECO Transformer #16532	20100309-0920	Oil	Soil
37	Maui	Haiku	Pole E-2 Connected to Pole E-108 - Transformer 22542 - Upper Ulumalu Road	20100617-0953	Ergon Hy-Volt II Insulating Oil	Soil
38	Maui	Haiku	MECO Pole-Mount Transformer No. 6103 Pole E-10 Kalipo Place, Haiku	20100617-0960	Ergon Hy-Volt II Insulating Oil	Soil
39	Maui	Haiku	MECO Pole-Mount Transformer No. 5403 at Pole E-2-3 connected to Pole E-2	20100630-0925	Ergon Hy-Volt II Insulating Oil	Soil
40	Maui	Hana	MECO Pole-Mount Transformer No.9713 - Pole E-56 at Hana Highway	20100617-0963	Ergon Hy-Volt II Insulating Oil	Soil
41	Maui	Kaenae	MECO transformer pole-mount release	20100609-0931	Transformer Oil	Soil
42	Maui	Kahana	Red pink water Kahananui Stream	20091025-1147	Unknown	Ocean
43	Maui	Kahului	Kahului Truck & Storage Molasses Release	20091007-1444	Molasses	Ocean
44	Maui	Kahului	NRC 921273	20091022-0701	Other	Other
45	Maui	Kahului	MECO PAD MOUNTED TRANSFORMER	20091113-1506	1,2,4-Trimethylbenzene, Ergon Hy-volt Insulating Oil	Soil
46	Maui	Kahului	K-CSEA Transpiration	20091125-1753	Gasoline	Ocean
47	Maui	Kahului	M/V Nale Gasoline Release NRC 924639	20091130-0856	Gasoline	Ocean
48	Maui	Kahului	MECO POLE MOUNTED TRANSFORMER 1596	20091201-1321	Transformer Oil	Soil
49	Maui	Kahului	MECO lube oil spill	20091207-1346	Chevron Delo 6170	Soil
50	Maui	Kahului	MECO TRANSFORMER #13929	20100308-0921	Oil	Soil
51	Maui	Kahului	512 Kaimana Street, Kahului Transformer 4252	20100310-0856	Transformer Oil	Soil
52	Maui	Kahului	Pole E-4 at South Pap Avenue, Kahului Transformer 9784	20100315-1125	Transformer Oil	Soil
53	Maui	Kahului	buried container of unknown substance	20100610-1020	Unknown	Soil
54	Maui	Kahului	Release during forklift transport of toppled MECO Pole-Mount Transformer No. 1050	20100630-0924	Ergon Hy-Volt II Insulating Oil	Soil

LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawaii State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
55	Maui	Kihei	Sheen 01-26-2010	20100127-1509	Oil	Ocean
56	Maui	Kihei	MECO Pad-Mount Transformer No. 9697 - Pacific Plaza 1847 Kihei Road	20100617-0961	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
57	Maui	Kula	1605 Hoopalua Drive, Kula transformer 6371	20100315-1124	Transformer Oil	Concrete/Soil
58	Maui	Kula	Pole- Mount Transformer 2771 at Pole E-13 at Lower Kimo Dr	20100617-0954	Ergon Hy-Volt II Insulating Oil	Soil
59	Maui	Kula	Pole Mount Transformer 2783 - Pole E-1 at 83 Ihe Place	20100617-0955	Ergon Hy-Volt II Insulating Oil	Soil
60	Maui	Lahaina	Lahaina Medical Waste	20091222-1330	Medical waste	Other
61	Maui	Lahaina	MECO Subterranean Transformer 9576	20091228-1425	Ergon Hy-Volt II Insulating Oil	Soil
62	Maui	Lahaina	MECO pole-mount transformer 7495	20100111-0841	Ergon Hy-Volt II Insulating Oil	Soil
63	Maui	Lahaina	97 Puamalei Drive, Lahaina Transformer 4666	20100226-1032	Transformer Oil	Soil
64	Maui	Lahaina	Vault 7 located between 30 and 40 Kui Place, Lahaina Transformer 9575	20100310-0853	Transformer Oil	Concrete/Soil
65	Maui	Lahaina	19 Holomakani Place, Lahaina Transformer 12352	20100310-0854	Transformer Oil	Concrete/Soil
66	Maui	Lahaina	145 Hakui Loop, Lahaina Transformer 9865 in vault 18	20100310-0858	Transformer Oil	Concrete/Soil
67	Maui	Lahaina	MECO TRUCK HYDRAULIC LINE RUPTURE	20100521-0910	HYDRAULIC OIL	Soil
68	Maui	Lahaina	sinking vessel 20100601-0736	20100601-0736	Petroleum	Ocean
69	Maui	Lahaina	Boat "No Problem" sank at slip 14 Lahaina	20100610-0636	Diesel Fuel	Ocean
70	Maui	Lahaina	MECO Pad-Mount Transformer No. 16019 (feeds Amfac Kaanaali Sewage Lift Station)	20100617-0944	Ergon Hy-Volt II Insulating Oil	Soil
71	Maui	Lahaina	Pad Mount Transformer 7033 at Kapalua Ridge Villas - 100 Ridge Rd	20100617-0949	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
72	Maui	Makawao	MECO Pole Mount Transformer #E4 & E5	20091203-1123	Ergon Hy-Volt II Insulating Oil	Soil
73	Maui	Makawao	MECO release 03-10-2010	20100310-1540	Transformer Oil	Soil
74	Maui	Makawao	MECO TRANSFORMER RELEASE #6057	20100601-1322	Transformer Oil	Soil
75	Maui	Makawao	MECO Pole-Mount Transfer No. 6593 - Pole E-5 connected to Pole E-4 at 1920 Balwin Ave.	20100617-0964	Ergon Hy-Volt II Insulating Oil	Soil
76	Maui	Makawao	MECO Pad-Transformer No. 8696 at location marked "PM27"	20100623-0932	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
77	Maui	Molokini Island	NRC 926823	20091222-0710	Unknown	Ocean
78	Maui	Olowalu	Grounded vessel Sea Wren #3	20100207-1716	Gasoline	Ocean

LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawaii State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
79	Maui	Paia	514 Pili Loko Place, Paia Transformer 8558	20100310-0852	Transformer Oil	Soil
80	Maui	Paia	HCS diesel spill	20100608-0707	Diesel Fuel	Soil
81	Maui	Paia	MECO Pole-Mount Transformer No. 6738 - Pole E-2 at Haawina Street	20100623-0933	Ergon Hy-Volt II Insulating Oil	Soil
82	Maui	Pukalani	Pole E-6 at Hanalani, Pukalani Transformer 2731	20100617-0948	Ergon Hy-Volt II Insulating Oil	Soil
83	Maui	Pukalani	Pad-Mount Transformer 6390 at location marked "PM48" at 2790 Palani St	20100617-0952	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
84	Maui	Pukalani	MECO Pad-Mount Transformer No. 5832 - 281 Hiwalani Loop, Pukalani	20100617-0959	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
85	Maui	Pukalani	MECO Pad-Mount Transformer No. 10600 - Pukalani	20100624-0912	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
86	Maui	Puunene	MECO Pad-mount transformer 12451	20091228-1423	Ergon Hy-Volt II Insulating Oil	Soil
87	Maui	Puunene	Hawaiian Commercial and Sugar Company, Puunene Sugar Mill	20100408-0928	Petroleum	Concrete
88	Maui	Waikapu	Hazardous waste dumping	20100609-1609	oil-based paints	Soil
89	Maui	Waikupu	MECO Pole Mount Transformer 11160 11161 11162	20091215-0850	Ergon Hy-Volt II Insulating Oil	Soil
			MECO Pole Mount Transformer 11160 11161 11162			
90	Maui	Wailea	10 Wailea Ekolu Place, Wailea Transformer 7470	20100310-0859	Transformer Oil	Concrete/Soil
91	Maui	Wailea	Pad-Mount Transformer 7946 - Wailea Ekahi Condominium	20100621-0229	Transformer Oil	Concrete/Soil
92	Maui	Wailea	MECO Pad-Mount Transformer No. 7945 - Wailea Ekahi Condominium	20100623-0934	Ergon Hy-Volt II Insulating Oil	Concrete/Soil
93	Maui	Wailuku	MECO Pad Mount Transformer # 8800	20091125-1410	Ergon Hy-Volt II Insulating Oil	Concrete
94	Maui	Wailuku	Pole E-42 at Kaahumanu Avenue, Wailuku Transformer 4918	20100308-0920	Transformer Oil	Soil
95	Maui	Wailuku	1392 Hiahia Street, Wailuku Transformer 9864 in Vault 14	20100310-0855	Transformer Oil	Concrete/Soil
96	Maui	Wailuku	828 Analio Street, Wailuku Transformer 6650 in vault 1	20100310-0857	Transformer Oil	Concrete/Soil
97	Maui	Wailuku	Mercury Disposal	20100429-0940	Mercury	Within Facility
98	Maui	Wailuku	MECO Pole-Mount Transformer No. 13098 - Pole E-1 at Kemoa Place	20100617-0962	Ergon Hy-Volt II Insulating Oil	Soil
99	Maui	Wailuku	MECO pad-mounted transformer #16129 release	20100629-0913	Transformer Oil	Soil

LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawai'i State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
100	Molokai	Kaunakakai	Island Petroleum	20091222-1024	Diesel Fuel	Other
101	Molokai	Kaunakakai	MECO Pole-Mount transformer No. 550 - Pole E-259 at Kamehameha Highway Molokai	20100609-0932	Ergon Hy-Volt II Insulating Oil	Soil
102	Molokai	Molokai	MECO Pole Transformer	20100331-1415	Transformer Oil	Ocean
103	Oahu	Barbers Point	Pier 5 Release NRC 922653	20091104-1545	Fuel Oil #6	Ocean
104	Oahu	Barbers Point	Voge Trader Grounding	20100205-0844	None	Ocean
105	Oahu	Barbers Point	sheen Barge Harbor Kalaeloa Pier 6	20100209-1415	sheen (no size specified)	Ocean
106	Oahu	Barbers Point Naval Air Station	Tanker oil spill 20100601-0734	20100601-0734	Oil	Ocean
107	Oahu	Hawaii Kai	R/V HA5417G Potential to Release	20091022-1100	Oil	Ocean
108	Oahu	Hickam	F-1120 A & B former USTs	20090922-0835	Fuel Oil	Soil
109	Oahu	Hickam	HAFB Onizuka Housing Old Aviation Fuel Release	20091124-1420	Gasoline, Aviation	Soil
110	Oahu	Hickam Air Force Base	Hickam Air Force Base petroleum discovery at Buildings 2070 and 2093	20090910-1112	Aviation fuel, petroleum oil lubricants	Subsurface soils, Groundwater
111	Oahu	Hilo	UH Hilo Mercury Release	20091210-1711	Mercury	Other
112	Oahu	Honokai Hale	Diosdado Vallejo Thompson Waterseal Release	20091212-1739	Thompson Waterseal	Concrete
113	Oahu	Honolulu	Keehi Maintenance Center NRC 911247	20090710-1858	Sheen	Ocean
114	Oahu	Honolulu	Manoa/Palolo Stream Confluence	20090712-1025	Unknown	Stream
115	Oahu	Honolulu	USCG Rush	20090728-0730	Sheen	Ocean
116	Oahu	Honolulu	Honolulu Harbor Sheen NRC 913029	20090728-0934	Sheen	Ocean
117	Oahu	Honolulu	2939 & 2949 Koapaka Street	20090731-1003	Ethylbenzene, Lead, TPH Gasoline	Soil
118	Oahu	Honolulu	Bradley Pacific Aviation	20090731-1008	Jet A	Concrete
119	Oahu	Honolulu	3015 Koapaka Street	20090731-1256	Arochlor 1260, Lead, Pyrene, diesel, gasoline, oil	Soil
120	Oahu	Honolulu	Abandon Paint Can 08-27-09	20090827-1415	Latex Paint	Soil
121	Oahu	Honolulu	F/V Waipuli Sinking	20090906-1258	Sheen	Ocean
122	Oahu	Honolulu	268 Mahimahi Place Mercury	20090909-0825	Mercury	Other
123	Oahu	Honolulu	Kewalo Basin Sheen NRC 917436	20090910-0725	Sheen	Ocean
124	Oahu	Honolulu	Ala Wai Boat Harbor #645	20090916-1825	Petroleum	Ocean
125	Oahu	Honolulu	R/V Hoi Mai sinking Vessel	20090927-1447	Gasoline	Ocean
126	Oahu	Honolulu	Unknown Sheen NRC 919120	20090928-1146	Unknown	Ocean

LIST OF HAWAII STATE RESPONSE PROGRAM EMERGENCY RESPONSE NOTIFICATIONS

**Hawaii State Response Program Release Notification Log**

	<b><u>Island</u></b>	<b><u>Locality Name</u></b>	<b><u>Release Name</u></b>	<b><u>Case Number</u></b>	<b><u>Substance Released</u></b>	<b><u>Media</u></b>
127	Oahu	Honolulu	Pad-mount transformer 61966	20090930-1355	Transformer Oil	Soil
128	Oahu	Honolulu	Kandoo Inc. Ihe Kai sinking	20091015-0840	Petroleum	Ocean
129	Oahu	Honolulu	Insulating Material Airborne	20091021-1400	Particulates	Air
130	Oahu	Honolulu	Aina Haina Union 76 Hoists Release	20091027-1110	TPH oil	Soil
131	Oahu	Honolulu	M/V Soyang NRC 921846	20091028-0624	Diesel Fuel	Within Facility
132	Oahu	Honolulu	Star of Honolulu	20091028-1230	Garbage	Ocean
133	Oahu	Honolulu	HECO Pad Mount Transformer #4891	20091028-1500	Ergon Hy-Volt II Insulating Oil	Concrete
134	Oahu	Honolulu	Spray painting in a residential area 10-28	20091028-1550	Dust	Air
135	Oahu	Honolulu	Unknown Sheen 922043	20091029-1114	Unknown	Ocean
136	Oahu	Honolulu	Hawaiian Telcom Vehicle Release	20091102-1453	Hydraulic Oil	Asphalt
137	Oahu	Honolulu	UH Duke Kahanamoku Swimming Pool Sodium Hypochlorite Release	20091103-1755	Sodium Hypochlorite	Air
138	Oahu	Honolulu	Potential Nisei Release of Oily Bilge	20091103-2226	Oily Water Mixture	Ocean
139	Oahu	Honolulu	2152 Puanani Lane Acetylene Cylinder	20091125-1040	Acetylene	Air
140	Oahu	Honolulu	Kewalo Basin Unknown Release NRC 924827	20091130-0546	Sheen	Ocean
141	Oahu	Honolulu	118 South Kuakini	20091130-1606	Diesel Fuel	Concrete
142	Oahu	Honolulu	F/V Logan Hard Aground	20091202-0800	Diesel Fuel	Ocean
143	Oahu	Honolulu	Unknown sheen 925565	20091208-0847	Oil	Ocean
144	Oahu	Honolulu	Unknown Drum NRC 925862	20091210-1516	Unknown	Ocean
145	Oahu	Honolulu	Hotel Street Discharge NRC 925909	20091211-0845	Gasoline	Asphalt
146	Oahu	Honolulu	Potential Sheen NRC 925923	20091211-1052	Sheen	Ocean
147	Oahu	Honolulu	Hawaiian Airlines JET A Release NRC 926087	20091213-2109	Jet A	Asphalt
148	Oahu	Honolulu	Honolulu Harbor Unknown Sheen NRC 925984	20091214-0550	Sheen	Ocean
149	Oahu	Honolulu	Honolulu Harbor Unknown Sheen NRC 925991 pier 21	20091214-0553	Unknown	Ocean
150	Oahu	Honolulu	1380 Lusitania St Mercury	20091216-1640	Mercury	Other
151	Oahu	Honolulu	Pflueger Company oil-water separator release	20091221-1600	Oil	Groundwater
152	Oahu	Honolulu	Honolulu Harbor sheen 927947	20100107-0900	Sheen	Ocean
153	Oahu	Honolulu	Ala Wai Boat Harbor 927905	20100107-0946	Sheen	Ocean
154	Oahu	Honolulu	Dust Complaint 01-07-2010	20100107-1330	Air particulates	Air
155	Oahu	Honolulu	Moped in Ala Wai Canal causing sheening	20100110-0715	Gasoline, lubricating oil	Ocean
156	Oahu	Honolulu	2450 Date Street Alleged Asbestos Release	20100116-1143	Asbestos	Air
157	Oahu	Honolulu	BOWS water main break Nimitz Hwy	20100123-0243	oil sheen on water	Groundwater

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158	Oahu	Honolulu	Hydraulic Oil Spill Pearl Harbor	20100125-1427	Hydraulic Oil (vegetable base)	Ocean
159	Oahu	Honolulu	ASIG Release from Relief Valve	20100125-1510	Jet A	Soil
160	Oahu	Honolulu	Waste Oil 929916	20100128-1000	Oil, Waste	Ocean
161	Oahu	Honolulu	Oil Sheen at Ala Wai Yacht Harbor 01-29-2010	20100129-0658	Oil	Ocean
162	Oahu	Honolulu	Oil Sheen 01-30-2010	20100130-0749	Oil	Ocean
163	Oahu	Honolulu	Oil sheen NRC 930094	20100130-0932	Oil	Ocean
164	Oahu	Honolulu	Maluhia State Hospital leaking chemicals at maintenance area	20100209-0825	Paint	Asphalt, concrete
165	Oahu	Honolulu	2255 Hulali Place white powder	20100210-1335	unknown powder	Other
166	Oahu	Honolulu	Mysterious substance causing various health problems	20100212-0900	Unknown	Air, within facility
167	Oahu	Honolulu	Honolulu Harbor grey sheen at Pier 31	20100212-0901	grey sheen	Ocean
168	Oahu	Honolulu	Honolulu Harbor sheen 931735	20100222-1127	Sheen	Ocean
169	Oahu	Honolulu	floating 55 gallon drum in Honolulu Harbor	20100222-1128	drum of unknown contents	Ocean
170	Oahu	Honolulu	5 x 5-gallon containers of waste paint	20100310-0830	Paint	Other
171	Oahu	Honolulu	Unknown sheen 934335	20100318-0700	Oil	Ocean
172	Oahu	Honolulu	HFD DIESEL SPILL WAIKIKI	20100318-2000	Diesel Fuel	Soil
173	Oahu	Honolulu	7/11 station gasoline spill	20100324-0034	Gasoline	Concrete
174	Oahu	Honolulu	4561 Salt Lake Boulevard incident	20100330-1008	Gasoline	Concrete
175	Oahu	Honolulu	Hickam AFB JP8 SPILL	20100402-0835	Jet Fuel JP-8	Asphalt
176	Oahu	Honolulu	X-ray machine spill	20100402-1200	Unknown	Concrete
177	Oahu	Honolulu	UH Gartley Hall Transformer spill	20100409-1225	Oil	Soil
178	Oahu	Honolulu	Inaba Restaurant drum	20100420-1030	Oil, cooking	
179	Oahu	Honolulu	Kuakini Medical Center contaminated soil	20100430-0840	Diesel Fuel	Soil
180	Oahu	Honolulu	439 Pacific Street Alleged Contamination	20100430-1603	Unknown	Soil
181	Oahu	Honolulu	Unknown Sheen 938795	20100501-1341	Oil	Ocean
182	Oahu	Honolulu	Sheen 938801	20100501-1631	Oil	Ocean
183	Oahu	Honolulu	USCGC Rush Sheen 939281	20100505-1920	Gasoline	Ocean
184	Oahu	Honolulu	1112 Kamaile Street	20100517-1400	Methamphetamine	Within Facility
185	Oahu	Honolulu	1935 South Beretania Street	20100518-1410	Oil	Soil
186	Oahu	Honolulu	902 Kawaiahao and 539 Kamani Streets	20100518-1415	Oil	Soil
187	Oahu	Honolulu	1610 Ala Napunani sidewalk dumping	20100601-0800	Oil	Other
188	Oahu	Honolulu	unknown sheen 942459	20100601-1049	Sheen	Ocean

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189	Oahu	Honolulu	vessel grounded Coconut Island Kaneohe Bay	20100607-1640	Vessel	Ocean
190	Oahu	Honolulu	Honolulu International Airport aviation fuel spill 943420	20100609-1210	Jet A	Concrete
191	Oahu	Honolulu	Release 06-16-2010	20100616-1038	Motor Oil	Concrete
192	Oahu	Honolulu	Gray Unknown Sheen 06-19-2010	20100619-0721	Oil	Ocean
193	Oahu	Honolulu	Handguns 944708 at Pier2 Passenger Terminal	20100621-0818	None	Other
194	Oahu	Honolulu	Unknown Sheen 944628	20100621-1816	Oil	Ocean
195	Oahu	Honolulu	120 Kaiulani Avenue	20100630-1155	Corrosion Inhibitor	
196	Oahu	Kaena Point	Sunken Vessel NRC 917032	20090905-1950	Gasoline	Ocean
197	Oahu	Kahe Point	ground vessel Pricella Mary	20100104-1620	Petroleum	Ocean
198	Oahu	Kailua	Keolu Drive Stream unknown substance	20090808-1307	fatty acids	Stream
199	Oahu	Kailua	brown green substance floating in Kailua Bay	20100214-1300	Unknown	Ocean
200	Oahu	Kailua	Kapaa Quarry Road area dumping	20100420-1300	Paint, water-based	Stream
201	Oahu	Kailua	655 Akoakoa Street fugitive battery	20100504-0900	Lead	Storm Drain
202	Oahu	Kailua Kona	Konakai Apartments mysterious gas vent from sink hole	20100211-1345	unknown gas	Air
203	Oahu	Kaneohe	Kaneohe Bay Yacht Club	20090825-1310	Motor Oil	Soil
204	Oahu	Kaneohe	Unknown Sheen Kaneohe Bay NRC 917125	20090907-1211	Sheen	Ocean
205	Oahu	Kaneohe	KANEOHE BAY OIL SHEEN	20100404-0830	Unknown	Ocean
206	Oahu	Kaneohe	45-158 Namoku Street	20100504-1354	Paint, solvent	Soil
207	Oahu	Kaneohe	strong pesticide odor	20100609-1050	Pesticide	Air
208	Oahu	Kapolei	91-238 Kauhi Street Abandoned Drum	20090708-1200	Oil	Soil
209	Oahu	Kapolei	Kalaeloa Harbor	20090715-0819	Sheen	Ocean
210	Oahu	Kapolei	TESORO SO2 NRC 919476	20091002-1740	Sulfur Dioxide	Air
211	Oahu	Kapolei	Chevron Pipeline Replacement Release 1021-1520	20091021-1520	Oil	Soil
212	Oahu	Kapolei	Chevron Pipeline Replacement Release 1021-1524	20091021-1524	Oil	Soil
213	Oahu	Kapolei	Chevron Pipeline Trenching	20091028-0915	Oil	Soil
214	Oahu	Kapolei	Tesoro Tank 2301 Kerosene Release	20091029-1140	Kerosene	Soil
215	Oahu	Kapolei	F/V Lady Anna Diesel Release	20091030-1147	Diesel Fuel	Ocean
216	Oahu	Kapolei	Chevron Pipeline 11-04-2009	20091104-1000	Oil	Soil
217	Oahu	Kapolei	Chevron Pipeline 11-05-2009	20091105-0850	Oil	Soil
218	Oahu	Kapolei	Chevron Pipeline 11-06-2009	20091106-1030	Oil	Soil
219	Oahu	Kapolei	Chevron Opacity Exceedance 11-21-2009	20091121-0910		Air

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220	Oahu	Kapolei	Tesoro Pier 6 Gasoline Release	20091221-1330	Gasoline	Ocean
221	Oahu	Kapolei	Tesoro Sulfur Dioxide NRC 926831	20091221-2108	Sulfur Dioxide	Air
222	Oahu	Kapolei	55-gallon drum floating in ocean off Kalaeloa	20100107-1136	drum of unknown contents	Ocean
223	Oahu	Kapolei	GPRM Prestress diesel fuel release	20100123-1132	Diesel Fuel	Soil
224	Oahu	Kapolei	suspicious person taking photos of ASIG facility	20100201-0557		Facility
225	Oahu	Kapolei	Tesoro pipeline release at entrance to refinery	20100406-0940		
226	Oahu	Kapolei	F/V Tanya Rose Release NRC 946091	20100630-0933	Grease	Ocean
227	Oahu	Keehi	Sinking Vessel NRC 91709	20090905-1206	Diesel Fuel	Ocean
228	Oahu	Makakilo	92-1331 Panana Street Buckets	20091031-1339	Unknown	Soil
229	Oahu	Makakilo	Vegetable oil release 06-23-2010	20100623-1600	Vegetable oil	Soil
230	Oahu	Marine Corp Base Hawaii	cylinder washed ashore at MCBH	20100114-1415		Sand/rock shoreline
231	Oahu	Nanakuli	vehicle accident knocking utility pole w/ transformer down	20100123-1926	Transformer Oil of unknown quantity	Asphalt, storm drain, and ocean
232	Oahu	Palolo	Hai Place Paint Fumes	20090830-2100	Paint	Air
233	Oahu	Pearl City	Kaahumanu Street 8 Paint Drums Dumping	20091019-1156CCFM	Paint Oil based	Soil
234	Oahu	Pearl City	Malathion Release 10-22-09	20091022-1159	Malathion	Soil
235	Oahu	Pearl City	HECO Hg release	20091110-1026	Metallic mercury	Concrete
236	Oahu	Pearl City	KNG Group Diesel Release 12/01/09	20091201-1850	Diesel Fuel	Asphalt
237	Oahu	Pearl Harbor	Pearl Harbor Pier A3 NRC 911103	20090709-0931	Crude Oil	Ocean
238	Oahu	Pearl Harbor	Oil Sheen NRC 911229	20090710-1257	Oil	Ocean
239	Oahu	Pearl Harbor	Oil Sheen NRC 911360	20090713-0554	Sheen	Ocean
240	Oahu	Pearl Harbor	Oil Sheen NRC 911297 - Pearl Harbor - historic	20090713-0555	Sheen	Ocean
241	Oahu	Pearl Harbor	USS Lake Erie NRC 912942	20090727-1659	Diesel Fuel	Ocean
242	Oahu	Pearl Harbor	USS Bremerton NRC 919237	20090929-2100	Diesel Fuel	Ocean
243	Oahu	Pearl Harbor	Oil Sheen NRC 919555	20091002-1113	Sheen	Ocean
244	Oahu	Pearl Harbor	Oil Sheen NRC 919801	20091002-1114	Sheen	Ocean
245	Oahu	Pearl Harbor	Oil Sheen NRC 919636	20091003-0825	Sheen	Ocean
246	Oahu	Pearl Harbor	USS Greenville Cooking Oil release	20091003-1734	Vegetable Oil	Ocean
247	Oahu	Pearl Harbor	Oil Sheen NRC 919685	20091004-1110	Sheen	Ocean
248	Oahu	Pearl Harbor	Oil Sheen NRC 919875	20091006-1115	Sheen	Ocean
249	Oahu	Pearl Harbor	Oil sheen NRC 919954	20091007-0952	Sheen	Ocean

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250	Oahu	Pearl Harbor	Oil Sheen NRC 922402	20091102-1402	Sheen	Ocean
251	Oahu	Pearl Harbor	Oil Sheen NRC 922619	20091104-1037	Sheen	Ocean
252	Oahu	Pearl Harbor	Oil Sheen NRC 924629	20091125-1050	Sheen	Ocean
253	Oahu	Pearl Harbor	Oil Sheen NRC 924719	20091130-0545	Sheen	Ocean
254	Oahu	Pearl Harbor	Oil Sheen NRC 924809	20091130-0547	Sheen	Ocean
255	Oahu	Pearl Harbor	Oil Sheen NRC 924976	20091201-1007	Sheen	Ocean
256	Oahu	Pearl Harbor	Oil Sheen NRC 925080	20091202-1053	Sheen	Ocean
257	Oahu	Pearl Harbor	Oil Sheen NRC 925183	20091203-1039	Sheen	Ocean
258	Oahu	Pearl Harbor	Oil Sheen NRC 925280	20091204-1047	Sheen	Ocean
259	Oahu	Pearl Harbor	Oil Sheen NRC 925840	20091210-1130	Sheen	Ocean
260	Oahu	Pearl Harbor	Oil Sheen NRC 925940	20091211-1205	Sheen	Ocean
261	Oahu	Pearl Harbor	Oil Sheen NRC 926065	20091214-0551	Sheen	Ocean
262	Oahu	Pearl Harbor	Oil Sheen NRC 925996	20091214-0552	Sheen	Ocean
263	Oahu	Pearl Harbor	Oil Sheen NRC 926172	20091214-1125	Sheen	Ocean
264	Oahu	Pearl Harbor	Oil Sheen NRC 926289	20091215-1145	Sheen	Ocean
265	Oahu	Pearl Harbor	Oil Sheen NRC 926372	20091216-1017	Sheen	Ocean
266	Oahu	Pearl Harbor	Pearl Harbor sheen 927715	20100104-1545	sheen 1' x 1'	Ocean
267	Oahu	Pearl Harbor	Pearl Harbor sheen	20100105-0942	sheen 5" x 5"	Ocean
268	Oahu	Pearl Harbor	Pearl Harbor sheen 0953	20100106-0953	sheen 6" x 6"	Ocean
269	Oahu	Pearl Harbor	Pearl Harbor sheen 927949	20100107-1002	sheen 3" x 3"	Ocean
270	Oahu	Pearl Harbor	Pearl Harbor sheen 928038	20100108-1030	sheen 5" x 5"	Ocean
271	Oahu	Pearl Harbor	Pearl Harbor sheen 928115	20100109-1233	sheen 3" x 3"	Ocean
272	Oahu	Pearl Harbor	Pearl Harbor sheen 928172	20100110-1436	sheen 3" x 3"	Ocean
273	Oahu	Pearl Harbor	USS CHAFEE DDG90	20100110-1745	Unknown	Ocean
274	Oahu	Pearl Harbor	NOAA Ship Okeanos Explorer	20100112-0845	Hydraulic	Ocean
275	Oahu	Pearl Harbor	Pearl Harbor sheen 1150	20100113-1150	sheen 4" x 4"	Ocean
276	Oahu	Pearl Harbor	Pearl Harbor sheen 929716	20100126-0940	sheen 3" x 3"	Ocean
277	Oahu	Pearl Harbor	Pearl Harbor sheen 929818	20100127-1104	sheen 2" x 2"	Ocean
278	Oahu	Pearl Harbor	FISC Pearl	20100129-0917	Jet Fuel JP-8	Ocean
279	Oahu	Pearl Harbor	Pearl Harbor Oil Spill - 01-29-2010	20100129-0918	Jet Fuel	Ocean
280	Oahu	Pearl Harbor	Pearl Harbor sheen 930104	20100130-1158	Sheen	Ocean
281	Oahu	Pearl Harbor	Pearl Harbor sheen 930165	20100131-1256	Sheen	
282	Oahu	Pearl Harbor	Pearl Harbor sheen 930885	20100209-1117	sheen 2" x 2"	Ocean
283	Oahu	Pearl Harbor	Pearl Harbor sheen 930987	20100210-1224	sheen 2" x 2"	Ocean
284	Oahu	Pearl Harbor	Pearl Harbor sheen 20100214-1301	20100214-1301	sheen 1' x 1'	Ocean

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285	Oahu	Pearl Harbor	Pearl Harbor sheen 20100215-1055	20100215-1055	sheen 2" x 2"	Ocean
286	Oahu	Pearl Harbor	Pearl Harbor sheen 931518	20100217-1118	2" x 2" silver sheen	Ocean
287	Oahu	Pearl Harbor	Pearl Harbor sheen 931622	20100218-1222	silver sheen 2" x 2"	Ocean
288	Oahu	Pearl Harbor	Pearl Harbor sheen 931719	20100219-1204	silver sheen 2" x 2"	Ocean
289	Oahu	Pearl Harbor	Pearl Harbor sheen 931932	20100222-1125	Sheen	Ocean
290	Oahu	Pearl Harbor	Pearl Harbor sheen 931830	20100222-1126	Sheen	Ocean
291	Oahu	Pearl Harbor	Pearl Harbor sheen 931782	20100222-1129	Sheen	Ocean
292	Oahu	Pearl Harbor	NAVY PEARL HARBOR PIER BRAVO 13	20100223-1030	Diesel Fuel	Ocean
293	Oahu	Pearl Harbor	Pearl Harbor sheen 932223	20100224-1115	sheen 2" x 2"	Ocean
294	Oahu	Pearl Harbor	Pearl Harbor sheen 932315	20100225-1123	sheen 2" x 2"	Ocean
295	Oahu	Pearl Harbor	NAVY PEARL HARBOR POV FORD ISLAND	20100310-1233	Gasoline	Ocean
296	Oahu	Pearl Harbor	CHEVRON'S PIPELINE SHEEN	20100328-1034	Oil	Stream
297	Oahu	Pearl Harbor	Pearl Harbor Building 487	20100402-0930	Transformer Oil	Storm Drain
298	Oahu	Pearl Harbor	Pearl Harbor sheen 936445	20100408-1002	oil sheen	Ocean
299	Oahu	Pearl Harbor	Pearl Harbor sheen 936539	20100408-1115	1' x 1' sheen @ 10:56	Ocean
300	Oahu	Pearl Harbor	USS La Jolla Grease Lid	20100420-1130	None	Ocean
301	Oahu	Pearl Harbor	USS Lake Erie 939383	20100506-1224	Lube Oil	Ocean
302	Oahu	Pearl Harbor	Pearl Harbor sheen 20100601-0732	20100601-0732	oil sheen 18" x 18"	Ocean
303	Oahu	Pearl Harbor	Pearl Harbor sheen 942231	20100601-0733	oil sheen 5" x 5" @ 1138	Ocean
304	Oahu	Pearl Harbor	Pearl Harbor sheen 942233	20100601-0735	oil sheen	Ocean
305	Oahu	Pearl Harbor	Pearl Harbor sheen 942462	20100601-1032	oil sheen 1' x 1' @ 1025	Ocean
306	Oahu	Pearl Harbor	Pearl Harbor sheen 9422610	20100602-1417	oil sheen 18" x 18" @1409	Ocean
307	Oahu	Pearl Harbor	Pearl Harbor sheen 942837	20100604-1125	oil sheen 1' x 1' @ 11:08 a.m.	Ocean
308	Oahu	Pearl Harbor	Pearl Harbor sheen 943279	20100608-1131	oil sheen	Ocean
309	Oahu	Pearl Harbor	Pearl Harbor sheen 943390	20100609-0830	oil sheen 2" x 2"	Ocean
310	Oahu	Pearl Harbor	Pearl Harbor sheen 944916	20100621-1109	6" x 6" sheen @ 10:59 a.m.	Ocean
311	Oahu	Pearl Harbor	Pearl Harbor sheen 945360	20100624-1252	oil sheen	Ocean
312	Oahu	Pearl Harbor	Pearl Harbor sheen 945498	20100628-0820	oil sheen	Ocean
313	Oahu	Pearl Harbor	Pearl Harbor oil sheen 945596	20100628-0821	oil sheen 3" x 3"	Ocean
314	Oahu	Pearl Harbor	USS Freedom hydraulic oil incident	20100628-0822	Hydraulic Oil	Ocean
315	Oahu	Pearl Harbor	USN USS Chosin hydraulic oil release	20100628-0823	Hydraulic Oil	Ocean

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316	Oahu	Pearl Harbor	Pearl Harbor sheen 945971	20100629-1149	oil sheen 3" x 3" @ 11:38	Ocean
317	Oahu	Pearl Harbor	Australian military ship "Kanimbla" JP5 release	20100629-1536	JP5	Ocean
318	Oahu	Pearl Harbor	HECO Waiau CT 10 Pond	66 Notifications	Sheen	Ocean
319	Oahu	Punaluu	Whale Carcass on Punaluu Beach	20100117-1024	Other - whale	Coral
320	Oahu	Tripler Army Medical Center	ARMY TRANSFORMER OIL SPILL	20100331-1425	Transformer Oil	Soil
321	Oahu	Wahiawa	Army Gasoline Release	20100308-1324	Gasoline	Soil
322	Oahu	Wahiawa	Transformer oil release 330 Walker (Wahiawa)	20100310-0210	Transformer Oil	Soil, asphalt, concrete, vegetation
323	Oahu	Wahiawa	Schofield Barracks Old Housing Area 04-26-2010	20100426-1700	Mineral Oil	Soil
324	Oahu	Waialae	HECO Pad Transformer 18047	20090928-1530	Transformer Oil	Soil
325	Oahu	Waialua	67-016 Farrington Highway	20091118-1400	Gasoline	Air
326	Oahu	Waialua	HECO transformer pad-mount #36959 release	20100608-0921	Transformer Oil	Soil
327	Oahu	Waianae	Hale Ahi Abandon drum	20090709-1115	Motor Oil	Other
328	Oahu	Waianae	Paakea Road Three Abandoned Drums	20100115-1525	Used Motor Oil	Soil
329	Oahu	Waimanalo	Waikupanaha Cylinders	20091002-1330	Abandon Cylinders	Other
330	Oahu	Waimanalo	Bellows AFB	20100329-1425	Transformer Oil	Soil
331	Oahu	Waipahu	Waipahu Stream Batteries	20090714-1526	Lead	Soil