

**REPORT TO THE
TWENTY-FOURTH LEGISLATURE
STATE OF HAWAII
2007**

**ENVIRONMENTAL RESPONSE
AND
HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW**

**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**

**PREPARED BY:
STATE OF HAWAII
DEPARTMENT OF HEALTH
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GLOSSARY OF ABBREVIATIONS AND ACRONYMS

A	Addressed as part of an existing NPL site
AFB	Air Force Base
AFS	Air Force Station
AG	Attorney General
AIR	Airway Function, Inflammation, Heart Rhythm
AOC	Area of Concern
AST	Above-ground Storage Tank
ATSDR	Agency for Toxic Disease Registry
ATSDR/CDC	Agency for Toxic Disease Registry /Center for Disease Control
A to R	Assessment Project to Remedial Project - Phase Change
BF	Brownfields
bgs	Below Ground Surface
BIBS	Big Island Bio-aerosol Study
BRAC	Base Closure and Realignment Commission
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
C&C	City and County
CA	Cooperative Agreement
CAA	Clean Air Act
CAB	Clean Air Branch
CCA	Copper, Chromium, Arsenate
CCL ₄	Carbon Tetrachloride
CDC	Centers for Disease Control
CDC/DOH	Centers for Disease Control with (Hawaii) Department of Health
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CEU	Continuing Education Credit
CFR	Code of Federal Regulations
CIC	Clean Islands Council
CLEAN	Campbell Local Emergency Action Network
CNMI	Commonwealth of Northern Mariana Island
COC	Contaminants of Concern
COE	(United States Army) Corps of Engineers
CST	Civil Support Team
CWB	Clean Water Branch
D	Deferred to RCRA
dba	Doing business as
DBEDT	Department of Business, Economic Development, and Tourism
DBEDT/OP	Department of Business, Economic Development, and Tourism/Office of Planning
DCE	Dichloroethylene
DDT	Dichlorodiphenyl trichloroethane
DERP	Defense Environmental Restoration Program
DHHL	(State) Department of Hawai`ian Home Lands
DHHS/CDC	Department of Human Services with Center of Disease Control
DLNR	Department of Land and Natural Resources
DOA	Department of Agriculture
DOD	Department of Defense

GLOSSARY OF ABBREVIATIONS AND ACRONYMS

DOH	Department of Health
DOT	Department of Transportation
DOTS	Department of Transportation Services (City & County)
DPW	Department of Public Works (City & County)
DPSA	Data Processing Systems Analyst
DS	Discovery
DS1	Discovery (Initial)
DS2	Discovery (Extended)
DSMOA	Department of Defense/State Memorandum of Agreement
DWS	Department of Water Supply
EAL	Environmental Action Level
ECU	Environmental Crimes Unit
EDR	Environmental Data Registry
EE/CA	Engineering Evaluation/Corrective Action
EHA	Environmental Health Administration
EHS	Environmental Health Specialist
EHSD	Environmental Health Services Division (City and County)
EMD	Environmental Management Division
Env.	Environmental
EP&R	Emergency Preparedness and Response (Section)
EPA	(United States) Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
EPI	Epidemiology
Epi Surge	Epidemiological Surge
EPO	Environmental Planning Office
ERA	Environmental Response Agreement
ERO	Environmental Resource Office
ERRF	Environmental Response Revolving Fund
ES	Expanded Site Inspections
ES1	Expanded Site Inspections (Initial)
ES2	Expanded Site Inspections (Extended)
FAMIS	Financial Accounting Management Information System
FBI	Federal Bureau of Investigation
FBRR	Filter Backwash Recycling Rule
FITS	Facility Identification Template for States
FOSC	Federal On-Scene Coordinator
FRS	Facility Registry System
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
G	Recommended for HRS Scoring
GAC	Granulated Activated Carbon
GF	General Fund
GIS	Geographic Information System
GPRA	Government Performance Reports Act
HAFB	Hickam Air Force Base
HAR	Hawai'i Administrative Rule
HAZMAT	Hazardous Material
HCDA	Hawai'i Community Development Authority

GLOSSARY OF ABBREVIATIONS AND ACRONYMS

HDOH	Hawai'i Department of Health
HEER	Hazard Evaluation and Emergency Response (Office)
HEPCRA	Hawai'i Emergency Planning and Community Right-To-Know Act
HEPF	Hawai'i Energy Policy Forum
HFD	Honolulu Fire Department
HIOSH	Hawaii Occupational Safety and Health Division
HMEP	Hazardous Materials Emergency Preparedness
HPD	Honolulu Police Department
HRS	Hawai'i Revised Statute
HSERC	Hawai'i State Emergency Response Commission
HTH	Health
JABSCOM	John A. Burnes School of Medicine
IDPP	Iwilei District Participating Parties
IT	Information Technology
LAN	Local Area Network
LAN/WAN	Local Area Network/Wide Area Network
LEPC	Local Emergency Planning Committee
LF	Land fill
LLC	Limited Liability Company
LNAPL	Light non-aqueous phase liquid
LOC	Letter of Completion
LOC/NFA	Letter of Completion and No Further Action
LUC	Land Use Control
LUC/O&M	Land Use Control with Operation and Maintenance
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
µg	Micro gram
µg/L	Micro gram per Liter
Med	Medium
MTS	Methyltrichlorosilane
N/A	Not Applicable
NAVFAC	Naval Facility
NCTAMS	Naval Computer and Telecommunications Area Master Station
NDAI	No Department of Defense Action Indicated
NFA	No Further Action
NFRAP	No Further Response Actions Planned
NPL	National Priority List
NRTF	Naval Radio Transmitting Facility
O&M	Operation and Maintenance
OP	Office of Planning
OPA	Oil Pollution Act
OPA 90	Oil Pollution Act of 1990
OSC	On-Scene Coordinator
OU	Operable Unit
PA	Preliminary Assessment
PA/SI	Preliminary Assessment/Site Inspection
PA1	Preliminary Assessment (Initial)
PA1/SI1	Preliminary Assessment (Initial)/Site Inspection (Initial)
PBDEs	Polybromated diphenyl ethers

GLOSSARY OF ABBREVIATIONS AND ACRONYMS

PCB	Polychlorinated biphenyls
PCP	Pentachlorophenol
PHIN	Public Health Information Network
PM ₁	Particulate Matter 1
POD	Pacific Ocean Division
POL	Petroleum Oil and Lubricant
PPA	Prospective Purchaser Agreement
ppb	Part per billion
ppm	Part per million
PRC	Polluted Runoff Control
Pri	Priority
RA	Remedial Assessment
RAA	Remedial Alternatives Analysis
RAM	Remedial Action Memorandum, also, Response Action Memorandum
RA/RD	Remedial Action/Remedial Design
RCRA	Resource Conservation and Recovery Act
RFP	Request for Proposal
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RMP	Risk Management Program
ROD	Record of Decision
RPM	Remedial Project Manager
SAP	Sampling and Analysis Plan
SBLRBRA	Small Business Liability Relief and Brownfields Revitalization Act of 2002
SDAR	Site Discovery, Assessment, and Remediation (Section)
SDAR NFA	Site Discovery, Assessment, and Remediation (Section) - No Further Action
SDAR NFO	Site Discovery, Assessment, and Remediation (Section) - No Formal Oversight
SDWA	Safe Drinking Water Act
SDWB	Safe Drinking Water Branch
SHWB	Solid and Hazardous Waste Branch
SI	Site Inspection
SI1	Site Inspection (Initial)
SI2	Site Inspection (Extended)
SLH	Session Laws of Hawai`i
SO ₂	Sulfur dioxide
SOH DOT	State of Hawaii Department of Transportation
SOSC	State On-Scene Coordinator
SOSC NFA	State On-Scene Coordinator No Further Action (determination)
SPH	Separate Phase Hydrocarbon
SQL	System Query Language
SRP	State Response Program (A federal grant program)
T	Temporary
TAMC	Tripler Army Medical Center
TCE	Trichloroethylene
TGM	Technical Guidance Manual
TMF	Technical Managerial Financial
TPH	Total Petroleum Hydrocarbons
TPH-D	Total Petroleum Hydrocarbons as diesel
TPH-O	Total Petroleum Hydrocarbons as oil

GLOSSARY OF ABBREVIATIONS AND ACRONYMS

TRPH	Total Recoverable Petroleum Hydrocarbons
UCS	Unified Command System
UECA	Uniform Environmental Covenants Act
UH	University of Hawaii at Manoa
UIC	Underground Injection Control
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USDW	Underground Sources of Drinking Water
USEPA	United States Environmental Protection Agency
Unreg UST	Unregulated Underground Storage Tank
UST	Underground Storage Tank
VOG, vog	Volcanic Fog
WBS	Work Breakdown Structure
VRP	Voluntary Response Program
WMD	Weapons of Mass Destruction
WNV	West Nile Virus
WWB	Waste Water Branch

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EXECUTIVE SUMMARY

**REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND
BUDGET AND EXPENDITURES FOR FISCAL YEAR 2006**

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, 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 “environmental response tax” established in the Fuel Tax Law, 243-3.5, Hawai`i Revised Statutes (HRS) supports the Environmental Response Revolving Fund (ERRF) established in Chapter 128D, HRS. This is a state 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. Fines and penalties for environmental violations, grants, legislative appropriations, and costs recovered from response actions also support the ERRF.

ERRF funds are used for:

- 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.

This report addresses state Fiscal Year 2006 and does not address Act 178, Section 20, 2006 Session Laws of Hawai`i (SLH) requiring the Department of Health to report the revenues and expenditures of the ERRF as of December 1, 2006. A separate report has been prepared to satisfy the Section 20 requirement.

**ENVIRONMENTAL RESPONSE REVOLVING FUND SUPPORT TO FIVE ENVIRONMENTAL HEALTH
ADMINISTRATION PROGRAMS**

Chapter 128D, HRS, Environmental Response Law, requires that the department submit an annual report to the legislature on environmental response revolving fund (ERRF) monies budgeted and expended for implementing remedial action plans.

Five programs in the Environmental Health Administration (EHA) received funding from the ERRF during FY 2006. 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 for the Hazard Evaluation and Emergency Response (HEER) (\$2,974,507), the Environmental Management Division (EMD) (\$54,997), the Clean Water Branch (CWB) (\$272,573), the Safe Drinking Water Branch (SDWB) (\$742,013), and the Office the Solid and Hazardous Waste Branch (SHWB) (\$547,193). The total ERRF appropriation for the five programs was \$4,591,283.

The State expended \$3,014,858 of \$4,591,283 appropriated to fund five HTH 849 and HTH 840 environmental programs. The individual draw-downs from the ERRF were \$1,619,763 to the Hazard Evaluation and Emergency Response (HEER) Office, \$0 to the Environmental Management Division, \$273,179 to the Clean Water Branch, \$630,222 to the Safe Drinking Water Branch, and \$491,694 to the Solid and Hazardous Waste Branch.

The DOH, through the HEER Office efforts, has been developing programs and capabilities for managing contaminated site assessment and cleanup activities. For example, the Hawai'i Voluntary Response Program (VRP) and Brownfields Program are designed to encourage and facilitate the assessment, clean up, and redevelopment of contaminated property. These two programs complement each other and operate collaboratively with the national U.S. EPA Brownfields Program. Through increased community outreach for the Voluntary Response Program and Brownfields Program, the HEER Office has encouraged responsible parties to assume the cost for cleaning up contaminated property with HEER Office oversight.

The FY 2006 list of Hawai'i sites managed within the HEER Office Site Discovery Assessment (SDAR) Section shows 394 sites required non-emergency assessment and/or response actions for potential or know hazardous chemical contamination. During FY 2006 the section's Remedial Project Managers (RPMs) completed 41 site related projects, including 22 site assessments, 6 removal actions, 2 remedial actions, and 10 Unregulated Storage Tank (UST) closures. SDAR RPMs also reviewed records for 23 sites and made recommendations for either a next-phase follow-on activity or no further follow-on action for the sites.

The Department of Health Hazard Evaluation and Emergency Response Office Hawaii Response Program Site Priority List of Sites managed under the state's non-emergency response programs is presented in Appendix A. A map showing the locations of key state cleanup sites that achieved significant milestones in FY2006 is shown in Section 1 on page 4.

During FY 2006, the HEER Office received 341 emergency response notifications. Hazardous Evaluation and Emergency Response (HEER) Office State On Scene Coordinators (SOSCs) performed site visits and/or off-scene coordination for 88 hazardous chemical or petroleum release cases. Fourteen cases were referred to the HEER Office Site Discovery, Assessment and Remediation (SDAR) Section for prioritization, 2 cases were referred to the HEER Office Hazard Evaluation Section, and 7 sewage spill notifications and 40 other cases were referred to other agencies. Twenty-two training drill notifications were also reported.

The Department of Health Hazard Evaluation and Emergency Response Office Emergency Response Release Notification Log is presented in Appendix B and contains a listing of all release notifications received during the fiscal year.

1 REPORT ON KEY ENVIRONMENTAL PROGRAM ACTIVITIES

1.1 Statewide Contaminated Site Response Actions

1.1.1 Key State Lead Cleanup Actions

1.1.1.1 BHP GASCO Benzene Site, Oahu

Cleanup activities continue at this former Gas Company site located in Iwilei, which is a part of the Honolulu Harbor district. The Gas Company processed heavy petroleum hydrocarbons to produce gas for domestic and industrial use on the island of Oahu from 1904 to 1988. The soil and groundwater at the site contains elevated levels of benzene and other petroleum products.

Despite cleanup efforts that have removed 30 tons of volatile organics from the site, contaminant levels remain high in the soil and groundwater. The existing in-situ air sparge and soil vapor extraction system was shut down for 3 months in 2006 due to substantially diminished recovery rates. Three new intermediate zone wells are slated to be installed to more fully characterize the site. The data will be used to evaluate other potential remedial alternatives and make a decision about next steps at the site.

1.1.1.2 Honolulu Harbor

An Enforceable Agreement has been signed between the Hawai'i Department of Health (DOH) and the Iwilei District Participating Parties, LLD (IDPP). The agreement is the result of months of negotiation between the parties and input and technical assistance from EPA Region 9, and includes a Scope of Work and Schedule of Deliverables. This agreement replaced the Voluntary Agreement and set into action enforceable deliverables with penalties for all cleanup actions in the Honolulu Harbor/Iwilei District. Integral to this agreement was a reorganization of the management of the overall project with the establishment of tracking of all work products by a Work Breakdown Structure (WBS) and two primary management panels, a Technical and a Policy Panel.

Major efforts that were initiated and/or accomplished during the period included signing the Enforceable Agreement, initiation of the Community Outreach Plan, initiation of a comparison of two remedial alternatives (enhanced hydraulic control and vacuum truck removal) in Operating Unit (OU) 1C for the removal of separate phase hydrocarbons (petroleum), and a Pipeline Protocol and Strategy. Further pipeline work (Fast-Tracked Nimitz Trench) and Pipeline Features Evaluation were started during the year; these trenching efforts are two of several trenches planned for the Nimitz energy corridor in the Operating Unit (OU) 2 area and are the primary approaches for locating abandoned pipelines in order for tapping and draining of residual petroleum (all pipelines regardless of status and ownership are mapped with geographical information system (GIS) coordinates). Other OU2 work included the initiation of a Methane Survey along the Nimitz Highway.

The major remediation efforts started for the OUI1C area (classified as the area with highest risk for potential exposure and impact to human health and the environment) included the major effort involving the comparison between removal of Separate Phase Hydrocarbon (SPH) by enhanced hydraulic control and vacuum truck. These preparations included the application and approval of disposal of pumped water into an injection trench and the design and start-up of a specially designed, site-specific system for pumping water, collecting and separating oil from the water and disposal of ground water into the injection trench. Tests and comparison of two pumping rates from five wells got underway in late May of 2006. Collection of data is expected to continue through the end of 2006 with a report due in early 2007.

Other major activities included the complete replacement of the Pier 26 Storm Water Drain resulting in the elimination of any sheens attributed to the drainage structure in the area of Pier 26. Remedial Alternative Analysis documents were started for OU1C (draft final) and OU2 (first draft). Supplemental documents included an Annual Report on Institutional Controls for the year of 2005, Response to Board of Water Supply Water Main Break, IDPP Response to EPA comments on Huntley's Report, Draft OU2 Utility Methane Investigation Work plan and the Draft Nimitz Trench Report.

Other notable events and technical accomplishments include: "Investigation of Hydrocarbon OU1C, Honolulu Harbor" a report prepared by David Hundley, PhD, and delivery of a technical workshop, "The Behavior of LNAPL in the Subsurface, A Presentation/Discussion of the Regulatory and Industry Standards of What is Known about the Evaluation and Cleanup of Light Non-Aqueous Phase Liquid (LNAPL)," presented by experts from EPA Office of Solid Waste Health, AQUI-VER and Chevron.

The DOH Honolulu Harbor technical team, led by Clarence Callahan, has been expanded to include three additional HEER office technical staff, and consultant support from TetraTech.

1.1.1.3 COSTCO Iwilei, Oahu

The draft cleanup decision, called a Response Action Memorandum, has been prepared by DOH for the Costco warehouse and gas station sites. Costco entered the VRP Program in June 2001 and has completed a thorough remedial investigation and risk assessment for both the warehouse and the gas station sites.

Recent Development. July 1 2006 to September 2006. A public meeting was held in September 2006 to seek public input on the recommended cleanup remedy. A final decision that addresses public comments, is expected in the fall of 2006.

1.1.1.4 East Kapolei, Oahu

DOH, State Office of Planning, and the U.S. EPA are collaborating to provide approximately \$300K of environmental support to the Department of Hawai`ian Homelands for its 400 acre East Kapolei Affordable Housing Project. The lands are currently administered by State of Hawai`i, Department of Land and Natural Resources (DLNR) and are in the process of being transferred to the Department of Hawai`ian Homelands (DHHL). The property has been divided into two areas of investigation. There is a small, one-acre parcel that was a former pesticide mixing area with known dioxin contamination. The rest of the site was former agricultural land and is being evaluated to determine if there are any environmental issues that would affect the residential development.

Recent Development. July 1 2006 to September 2006. After a lengthy, collaborative planning process, two detailed field sampling projects are underway to characterize the soils for suitability for the planned residential development. Expected completion date for the data analysis is December 2006.

1.1.1.5 Former Waipahu Sugar Mill, Lot 32 , Oahu

A Draft Response Action Memorandum was issued for this VRP site in March 2006, and the Final Response Action Memorandum was issued on May 15, 2006. Following earlier in-situ bioremediation for petroleum hydrocarbons, the remaining remediation required for petroleum and solvents in groundwater at this site is a formal deed restriction prohibiting all uses of groundwater to eliminate any potential for exposure. The deed restriction and a final letter of completion are expected by mid-October, 2006.

1.1.1.6 Fishing-related Developments at Piers 36-38, Oahu

Soils at this State of Hawai'i Department of Transportation (Harbors) site are impacted by methane from degraded petroleum hydrocarbons. Two buildings added to the site in 2004 included engineered methane barriers under foundations, with a passive venting system above exterior walls. Public comment was solicited February 15 – March 31, 2006 on adding an additional building (on Parcel 8 - Fresh Island Fish) using the same methane mitigation technology. This additional building with methane-mitigation system was subsequently constructed at the site. This building will be incorporated into the site's overall Operations and Maintenance Plan for the methane mitigation systems.

1.1.1.7 Former Kahuku Sugar Mill, Oahu

The Site Investigation report, Remedial Alternatives Analysis Report, and Draft Response Action Memorandum (RAM) for the former Kahuku Sugar Mill State Voluntary Response Program (VRP) site were completed by June 2006. The public comment period for the Draft RAM is scheduled for July 1 – August 7, 2006. Proposed remedial action for this former sugar mill site includes excavation of Total Petroleum Hydrocarbons (TPH) and tetrachloroethane contaminated soil, free-phase TPH product removal, and soil "land farming" in on-site treatment cells to reduce contamination through bioremediation/aeration processes.

1.1.1.8 Kauai Agricultural Research Center-Agent Orange Site, Kauai

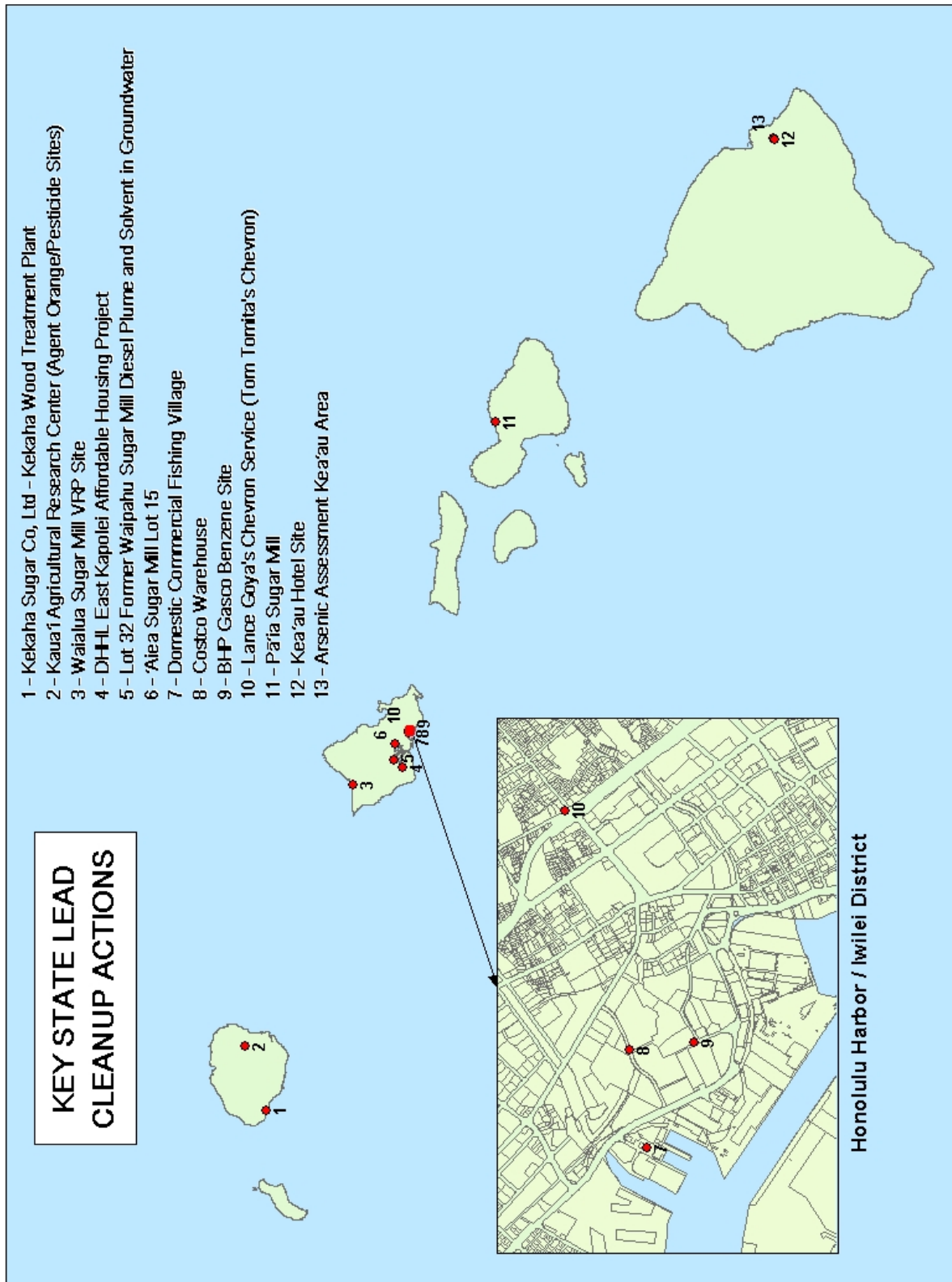
Between 1967 and 1968, the University of Hawai'i in collaboration with Department of Army, (Fort Detrick, Frederick, Maryland) conducted experiments to assess the defoliation effects of various pesticides, including Agent Orange, on jungle vegetation on Kauai. This site includes three sources of contamination, i.e., the drum disposal area, the actual spray sites located at Waikoko Block, Hanahanapuni, and Sam Thronas which were applied with different rates of Agent Orange and pentachlorophenol (PCP), that were applied singly or in combination with other herbicides. Dioxin/furans were detected above the EPA clean-up level of 1.0 ppb in soil samples collected from the former disposal area. Soil, and sediment samples were collected from the actual spray area in 2001 and were analyzed for dioxin/furans and chlorinated herbicides. Because of the new information obtained regarding the actual spray area, a new Sampling and Analysis Plan (SAP) was developed to collect additional soil samples and a limited number of sediment and fish samples. EPA approved the SAP in June 2006.

Recent Development. July 2006 to September 2006. Soil, sediment and fish samples were collected in July 2006. Soil samples were collected using multi-incremental sampling. Soil and sediment samples were analyzed for dioxin and chlorinated herbicides. Fish samples were analyzed for dioxin to evaluate potential risks to fish consumers.

1.1.1.9 Kaka'ako Parking Garage and Mixed Use - Unit 1 and Unit 3, Oahu

The DOH is overseeing the site investigation being conducted by Environet for Army Corp of Engineer and for Hawai'i Community Development Authority (HCDA). The project site encompasses approximately 9 acres of land that was previously used by the City and County of Honolulu, Department of Public Works (DPW) and the Department of Transportation Services (DOTS) for storage and maintenance of their equipment. The site is reported to be contaminated with lead and total recoverable petroleum hydrocarbon (TRPH), as high as 3,890 mg/kg and 170,000 mg/kg, respectively. Soil and groundwater samples were collected in March 2005, the remaining soil samples will be collected when site is cleared.

FIGURE 1 KEY STATE LEAD CLEANUP ACTIONS



1.1.1.10 Former Waialua Sugar Mill, Oahu

A Voluntary Response Program Agreement between DOH and Castle & Cooke Waialua, LLC was signed in November 2005. Soil and or groundwater contamination that may have resulted from the operation of the sugar mill will be addressed in this voluntary cleanup.

1.1.1.11 Kekaha Sugar Mill Former Wood Treatment Plant and Former Herbicide Mixing and Loading Plant, Maui

Like other sugar mill sites in Hawai'i being evaluated by DOH under EPA's Preliminary Assessment/Site Inspection (PA/SI) program, the Kekaha Sugar Mill has residual pesticide contamination brought about by sugarcane productions and operations. These operations involved generation and storage of used oil; used of fungicide for wood treatment and use of pesticides in the mixing plant. Contaminants at this site include dioxin, arsenic and benzo(a)pyrene. While the Site Investigation indicates that the site has environmental concerns, EPA decided not to list the site on the National Priority List and transferred remedial oversight to the State of Hawai'i. Because of high levels of contaminants, a letter was sent to DLNR in June 2006 to take immediate actions to address the potential exposure risks and to conduct remedial investigation to delineate the extent of contamination.

Recent Development. July 2006 to September 2006. Several meetings were held with DLNR, their environmental consultants and DOH regarding sampling strategy to characterize the site. In September 21, 2006, DLNR submitted a work plan for site characterization and the layout for the fence to restrict access to the site.

1.1.1.12 Kekaha Sugar Mill Kekaha Town Sites, Maui

This site is located in the town of Kekaha. It is approximately 2 miles from Kekaha Sugar Co., Ltd. The site includes the mill, the electric shop, machine shop, automotive shop, settling pond; seed dipping plant, cane cleaning plant, and the former herbicide mixing plant located across the sugar mill. Soil samples collected from the former herbicide mixing plant indicated elevated levels of dioxin/furans. Sediment samples collected from the mill ditch show elevated levels of mercury, possibly from the seed dipping operation. The property was formerly owned by Amfac and was recently bought by Pacific funds, LLC. The present owner hired ERM as a contractor to conduct the site characterization.

1.1.1.13 Aiea Mill Lot 15, Oahu

The final Remedial Action Memorandum (RAM) for the last portion of this site was approved in 2006 and is being implemented by Alexander and Baldwin. In 2004, after the site received Letters of Completion for cleanup under the VRP program for two other portions of the mill site, the VRP agreement was transferred by the Bank of Hawai'i to Alexander and Baldwin.

1.1.1.14 Paia Sugar Mill, Maui

A site inspection (SI) of the Paia Sugar Mill was conducted in 2005 and the SI report was revised in 2006. Concurrent with the completion of the SI report, neighborhood concerns arose about the safety of soils moved from settling ponds at this site to residential developments (See the Key Community Involvement section for more details).

Recent development. July 1 to September 30, 2006. The SI report was finalized with EPA and DOH concurrence that no further federal action under PA/SI is required at this site. DOH will evaluate whether

additional investigation is needed at the site and provide oversight in accordance with Hawai'i Revised Statutes, Chapter 128-D.

1.1.1.15 Haiku Valley Rehabilitation Site, Oahu

An enhanced phase 1 environmental site assessment of the Haiku Valley Rehabilitation Site was conducted on May 24, 2006 and the final report has recently been completed

Recent development. July 1 to September 30, 2006. The site assessment was conducted as part of the Ke Kula'o Samuel M. Kamakau Public Charter School's effort to develop the site as a new location for their school. Environmental concerns that were revealed during the site assessment include the following: existing structures have fluorescent lamp ballasts that may contain polychlorinated biphenyls (PCBs) and fluorescent light tubes (broken and intact) that contain mercury, and animal quarantine facilities may be contaminated with foreign disease agents from the quarantined animals.

1.1.1.16 ConocoPhillips, Oahu

Lowe's entered into a VRP agreement to remediate the ConocoPhillips tank farm on Nimitz Hwy. The bulk terminal is scheduled for removal in September 06. Lowe's hopes to open the new store in 2007.

1.1.2 Key Federal Cleanup Milestones

1.1.2.1 Air Force Sites

The Air Force made significant progress in FY2006 towards meeting its objective of addressing all high priority sites in Hawai'i by December, 2007. A Record of Decision (ROD) document is a significant milestone of the remediation process because it states what the final remedy of a site will be and states the terms & conditions of the selected remedy. It requires the signatures of both the Air Force and the Deputy Director of Environmental Health for approval. The following sites have signed Record of Decision documents in place:

Tri Services Landfill No. LF05

The Record of Decision document was signed in August 2005. This was the first Record of Decision document signed by the Air Force IR Program.

Inactive Landfill No. 1 LF01

The Record of Decision document was signed in June 2006. Land use controls to prevent excavating the subsurface soil were selected as the final remedy.

Atomic Energy Commission Area OT02

The Record of Decision document was signed in June 2006. No further action was deemed necessary as chlorinated solvent levels were not exceeding action levels and no off-site migration was occurring.

Inactive Landfill No. 2 LF14

The Record of Decision document was signed in August 2006. Land use controls were selected as the final remedy for the northern portion of the site.

Motor Pool Storm Drain SD04

The Record of Decision document was signed in August 2006. Contaminated soil will be managed on base at a cell created at LF05.

A No Further Response Action Planned (NFRAP) Document

The No Further Response Action Planned (NFRAP) document is another milestone document that indicates site closure. It also requires the signatures of both the Air Force and the Deputy Director of Environmental Health for approval. There are four categories of NFRAPs:

Category I – No evidence of storage, release, or disposal,

Category II – All contaminants below screening levels,

Category III – Risk assessment shows acceptable risk,

Category IV – All remedial actions are in place and complete.

The following sites have signed NFRAPs in place:

Former Kamehameha Drum Site SD37 – The Category II NFRAP document for this site was signed in February 2006.

Former Base Motor Pool EA57 - The Category II NFRAP document for this site was signed in February 2006.

Fuel Leak Area 12 (Area F) SS10 - The Category III NFRAP document for this site was signed in February 2006.

Inactive Landfill No. 6 LF17 - The Category III NFRAP document for this site was signed in August 2006.

Several additional RODs and NFRAPs are expected to be completed over the next fiscal year and the Air Force will have achieved its internal goal of addressing all of its high-risk sites by 2007.

Hickam Air Force Base Underground Storage Tank (UST) Closures

The Air Force Restoration UST program consists of 532 tanks, 207 of which have reached site closure. Approximately 146 of the 207 were officially signed off on by the Department of Health in November 2005. Roughly 150 tanks are pending Department of Health concurrence for site closure. Further work plans have been reviewed and approved by the Department of Health and tremendous progress will be made in the upcoming year.

Hickam Air Force Base Base-wide Polychlorinated biphenyls (PCB) Investigation

The Site Inspection/Removal Site Evaluation has been completed for 292 sites. Further investigation has been suggested for 22 of these sites and a Remedial Investigation/Feasibility Study work plan has been submitted and approved.

1.1.2.2 Army Installation Sites

The Army is working on multiple sites throughout Hawai'i, using contractors and United States Army Corps of Engineers (USACE). While disputes with contractors have made progress more difficult at some Army facilities, the Army accomplished the following cleanup actions under DOH oversight.

Fort Shafter, Oahu

Fort Shafter Flats is part of the Fort Shafter Military Reservation. There are seven separate study areas that were identified during the PA/SI as potential environmental concern.

Recent Development. July 2006 to September 2006. With improved collaboration between DOH and the Army, a major milestone was reached at this site in September 2006 when the Remedial Investigation /Risk Assessment report was finalized and approved by DOH.

Kalakaua Golf Course

The Army entered a partnership with Actus Lend Lease (Actus) for the housing development project at the former Kalakaua golf course. The former Kalakaua golf course is located within the Schofield Barracks Military Reservation on the island of Oahu. The site was utilized as a golf course from 1934 to 2004, and the area is about 118 acres.

Actus submitted the Work Plan to the HEER office in December 2005. The Work Plan included summary reports of prior investigations. Prior investigations were conducted during August 2004, January 2005 and March 2005. According to the prior and current investigations, the site is contaminated with arsenic and some lead. With the concurrence of DOH, Actus decided to excavate and dispose the contamination at a landfill on the island of Oahu.

Kunia Field Station, Oahu

Kunia Field Station is an underground communication facility, one mile south of Schofield Barracks that has soil contamination resulting from 305,000-gallon concrete underground storage tank that was removed in 1994.

The completion of the cap required as part of the remedy for the Kunia Field Station was completed in 2005, and the Operation and Maintenance plan has been approved by DOH.

Schofield Barracks, Oahu

This site was removed from the NPL on August 10, 2000. The initial listing resulted from the detection of trichloroethylene (TCE) in the drinking water wells at Schofield Barracks. The Army chose groundwater treatment system as a final remedy and EPA approved the decision.

Regular monitoring of the ground water in the area has shown that the level of TCE contamination is fairly constant. The Army continues to repair the landfill cap when cracks are discovered.

The Army completed a five-year review. The report indicated that TCE contamination in the groundwater has not migrated significantly, and the aeration treatment of groundwater is effectively removing TCE to meet drinking water standards. The Army continues to monitor the groundwater regularly. Carbon tetrachloride (CCl₄) continues to be below the maximum contaminant level (MCL) of 5 µg/l. Landfill cap inspections and soil gas monitoring are also conducted on a regular schedule, and reported to DOH.

Tripler Army Medical Center, Oahu

Repair of the landfill cap at Tripler Army Medical Center (TAMC) was completed in February 2006. Erosion from 2003-04 rain events had damaged the integrity of the cap. The USACE also completed the first phase of reconstruction of the open-drainage channel to prevent further erosion and is currently planning the second phase of construction to complete the drainage channel and bridge.

Wheeler Army Air Field, Oahu

Wheeler Army Air Field is one mile south of the town of Wahiawa on the island of Oahu. A Preliminary Assessment Site Investigation Report (PA/SI) was submitted to DOH in September 2005. Earlier cleanup actions included removal of petroleum hydrocarbon impacted soil, asbestos pipes, and buried drums. The remaining concern at the site is lead contamination.

1.1.2.3 Formerly Used Defense Sites (FUDS) Program

The Formerly Used Defense Site (FUDS) Program pertains to all properties that were owned and utilized by the military prior to October 17, 1986 but have been transferred back to various entities. The HEER Office currently oversees seventeen active FUDS in Hawai'i, the most prominent being the Waikoloa Maneuver Area which encompasses roughly 120,00 acres of property. Other sites of interest include the Former Waikane Training area and the Heeia and Pali Training Camp areas. The Corps of Engineers has performed site inspections at various bombing and target areas (Kane Puu and Mahukona) on the Neighbor Islands and plans to initiate eight more site inspections throughout the islands in the upcoming fiscal year.

1.1.2.4 Navy Installation Sites

Pearl Harbor Update

The Pearl Harbor Naval Complex was placed on EPA's national priority list (NPL) in 1992. The Navy is moving forward in investigating, remediating and closing out over 100 contaminated sites at Pearl Harbor. In many cases, the Navy has opted to use removal actions to quickly address high priority environmental concerns, while working on a parallel course to complete the full CERCLA requirements needed to reach final closure on the contaminated sites.

The sediment investigation in Pearl Harbor continues as the Navy evaluates additional data needed for the Feasibility Study. The Remedial Investigation of the sediments in the Pearl Harbor Basin was conducted to determine what effect the Navy's operation at Pearl Harbor has had on the harbor itself. The site encompasses the entrance channel to the estuary, West Loch, Middle Loch, East Loch, and Southeast Loch. Naval operations conducted adjacent to the site have included fuel storage, handling, transfer, and recycling facilities as well as operation, maintenance and support facilities, and military landfills. Past waste handling and disposal methods, although acceptable at the time, may have caused unexpected long-term problems at some locations through the release of toxic and hazardous substances into the soil and ground water at sites surrounding the estuary as well as the estuary itself.

For the Aiea Laundry Facility and the Pearl Harbor Sediment Site, the Navy is currently progressing through the feasibility study phase where remedial alternatives are evaluated to determine the most appropriate alternative that will protect human health and the environment

DOH concurred with two key Record of Decision documents were signed in September 2006 for the Navy's Former Manana Storage Area and the Building 49 Auxiliary Power Plant on Pearl Harbor, closing out the sites.

Oil recovery systems installed at the Oscar 2 Pier and the Building 8 sites continue to perform well with a total of 18,156 and 26,413 gallons of oil respectively recovered to date

Camp Smith, Oahu

The Navy completed a removal site evaluation of the Old Pistol Range site, which found a large amount of lead contaminated soil on the site that needs to be cleaned up. The Navy is currently removing the lead contaminated soil at the site and sending it to a CERCLA waste landfill on the mainland.

Kaneohe Marine Corps Base Hawai`i, Oahu

The Navy has identified five sites: the Range Disposal Area, the Fire Fighting Training Area, the Ordnance Munitions Area, Fuel Farm Sludge Disposal Area and the Above Ground Storage Tank 1253, which are planned for environmental investigation work starting in FY06. The Navy is currently accomplishing site inspection work on the Above Ground Storage Tank 1253 Fuel Release Site.

Naval Computer and Telecommunications Area Master Station Pacific, Oahu

The Naval Computer and Telecommunications Area Master Station (NCTAMS) facility was placed on the National Priorities List (NPL) in May 1994. NCTAMS is composed of two sites, a Naval Radio Transmitting Facility (NRTF) at Lualualei and a receiver site in Wahiawa. While the majority of cleanup has been completed at NCTAMS, the site investigation identified 15 sites that require further investigation at NRTF Lualualei and NCTAMS Wahiawa. The Navy is currently finalizing a Record of Decision (ROD) for the Dump Site Near Building 293 to close out the site.

Navy Transformer Sites, Oahu

The Navy has completed cleanups of 58 transformer sites throughout Hawai`i, and is in the process of closing out these sites. Records of Decision for the transformer sites are expected in 2007.

1.1.3 Key Programmatic Accomplishments

1.1.3.1 Brownfields

DOH convened the first pilot *Hawai`i Brownfields Forum* on April 5, 2006. The purpose of the *Forum* is to encourage and facilitate the redevelopment of contaminated property in Hawai`i. Approximately, 180 people attended representing a broad range of parties involved with redeveloping brownfields. The *Hawai`i Brownfields Forum #2* was held November 1, 2006. The focus of the this Forum was a panel discussion regarding “*Obstacles and Incentives for Brownfields Redevelopment.*”

1.1.3.2 Voluntary Response Program

The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties. Under the law, 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.

Over the past fiscal year, two new VRP agreements were signed, bringing the number of active VRP sites in the program to 15. The new VRP sites include the Sprint lot in the Iwilei Business District, and the former Waialua Sugar Mill.

Responsible parties with sites participating in the VRP are paying the State for DOH oversight of their remedial activities. In FY2006, the VRP program recovered \$43,000 in program costs from responsible parties.

1.1.3.3 Cost Recovery

HRS 128(D) provides legal authority to cost recover for DOH oversight of remedial activities at contaminated sites in Hawai'i. In FY2006, DOH received \$92,389.67 in payment for oversight expenses for the Honolulu Harbor and GASCO cleanup sites in accordance with the terms of the respective Agreements for Remedial Action.

To date, the HEER office has not had the necessary database infrastructure to more broadly implement cost recovery. Planning efforts and software development currently underway will provide the technical resources needed to expand the DOH cost recovery program in FY2007 to other cleanup investigations in the State Response Program.

1.1.3.4 Technical Guidance

Partnership Trainings:

The HEER Office has created a *Partnership Training Initiative* to improve the technical capabilities of State project managers and local environmental consultants by hosting joint environmental cleanup trainings. These trainings provide an opportunity for environmental professionals from the public, private and military sectors to learn the latest investigation techniques applicable to Hawai'i's unique environment.

Environmental Action Level (EAL) workshops

The HEER office held six Environmental Risk Assessment workshops for staff and the general public during the summer and fall of 2005. The goal of the workshops was to help staff and environmental professionals rapidly and cost effectively identify environmental concerns at contaminated sites and prepare remedial actions to address these concerns. This helps property owners and developers to incorporate environmental issues earlier into projects and coordinate remedial and construction activities better. The HEER office's web page for accessing the interactive EAL guidance document is:

<http://www.Hawai'i.gov/health/environmental/hazard/eal2005.html>

Sampling for Defensible Environmental Decisions

The HEER office sponsored an intensive, 4-day course on field sampling strategies for defensible decisions during the week of June 26, 2006. Course instructor was Charles Ramsey of EnviroStat, a recognized expert in field sampling methods. In addition, Ramsey provided a one-day advanced workshop on multi-increment soil sampling strategies for DOH staff and environmental consultants.

Environmental Forensics

One hundred environmental professionals from consulting firms, HEER office and military attended a one-day workshop on Environmental Forensics co-sponsored by the HEER office.

2007 Trainings Planned:

With the release of new Environmental Action Levels in August 2006, the HEER office is planning another round of Environmental Risk Assessment Workshops in September and October 2006. Also in October and November 2006, the HEER Office will sponsor a class entitled “Systematic Planning for Environmental Decision-Making” and a workshop on the State’s “Voluntary Response Program and Clean Up Process.”

1.1.3.5 Response Program and UST Program Technical Guidance Manuals Revisions

A joint HEER Office and SHWB UST Section project to conduct a major update and revision of Technical Guidance Manuals (TGMs) continued with the completion of a survey of staff and environmental consultants. The survey identified key guidance sections and priorities for update/revision. A special request for proposal (RFP) was issued for a contractor to assist DOH in the TGMs revision project, and approximately 100 consultant contacts were mailed information about the proposal. An informational meeting on the RFP was held for interested parties on March 14th, 2006. Six substantial proposals were received by the RFP deadline of May 1, 2006. Final contractor selection and negotiation of the final support contract is expected to be completed by sometime in October 2006. The selected contractor will interface with the DOH project manager as well as special DOH/UST and environmental consultant work groups in assisting on the updates/revisions to the guidance manuals.

1.1.3.6 Issuance of New Guidance

CNMI Environmental Risk Assessment Guidance

In the fall of 2005, Roger Brewer of the HEER office prepared an Environmental Risk Assessment Guidance document for the Commonwealth of the Northern Mariana Islands (CNMI) (Saipan). The guidance document was modeled after similar documents prepared by Dr. Brewer for the DOH and for California EPA. The project was carried out separate from Dr. Brewer’s work with DOH under a contract with CNMI that was funded by the USEPA.

Dioxin Guidance

The HEER office prepared guidance for evaluation of dioxin contamination in soil. The guidance, which includes risk-based soil action levels for dioxin, is being used to screen large agricultural areas prior to redevelopment for residential or commercial use.

Chlordane Guidance

The HEER office prepared draft guidance for the investigation and assessment of chlordane-contaminated soil. Chlordane, a potent carcinogen, was heavily used as a termiticide in Hawai i, but that use was nationally banned by the EPA in 1988. The management of chlordane-contaminated soil has become a significant issue, particularly at military bases where older housing is being demolished to make way for new structures. DOH is currently meeting with Department of Defense representatives and their consultants to develop a plan for the management of chlordane-contaminated soil that is both cost-effective and protective of human health.

1.1.3.7 ACT 279 Adopts the Uniform Environmental Covenants Act

The UECA bill, introduced into the 2006 legislature, was passed and signed into law on July 2006 as Act 279. The new law provides a statutory framework for environmental covenants, which will be used to assure that controls on contaminated property will properly identified on legal title and remain

enforceable for as long as they are necessary. The UECA was adapted from a national model uniform law published in 2003 by the National Conference of Commissioners on Uniform State Laws. Hawai'i joins at least a dozen other states that have passed the law. A model covenant is being drafted and implementation of the law will continue in 2007.

1.1.3.8 Act 170 Passes Relating to the Decontamination of Illegal Drug Manufacturing Sites

The HEER Office provided testimony and support to the legislative process for the development of a bill resulting in the passage of Act 170, signed on June 5, 2006. Coordinating closely with partner agencies and other states, which have implemented drug lab cleanup protocols, the HEER office completed *Interim Guidelines and Procedures for Clandestine Drug Lab Cleanups*, adopted as an interim rule, on September 19, 2006. The final rule for cleanup is due before January 2008.

1.1.3.9 Kea`au Arsenic Exposure Investigation, Hawai'i

HDOH and the Agency for Toxic Disease Registry (ATSDR) conducted an Exposure Investigation (EI) in the fall of 2005 to assess human exposure to arsenic contamination in two former plantation communities in the Kea`au area. HEER identified English as a second language for the communities populated largely by people with Filipino heritage. Most speak Ilocano and a few families reportedly speak Tagalog. Danny Licudine from State Laboratories Division was recruited as part of the Exposure Investigation team because of his translation capabilities and technical expertise. Over a period of 2-3 months, approximately 30 volunteers from the two Camps had their urinary arsenic (total and speciated) levels measured, three times for each person, to assess whether current arsenic levels in soil could pose a health hazard to community members.

The results of the EI revealed that the majority of the participants had urine arsenic levels that were safely below the reference value in at least one of the three tests, and therefore did not require further follow-up or evaluation. However, several adult participants, who were primarily older, had urine arsenic levels that remained above the reference value for all three tests. Certain foods, such as seafood or seaweed, may have contributed to their result. In fact, the majority of them stated that they ate some type of seafood prior to their urine collection. They will be retested in the fall of 2006 after abstaining from seafood for 5 days prior to testing.

Produce from community and school gardens in the Kea`au area was also tested as part of the study. Arsenic levels in the produce were similar to background levels found in market produce and do not pose a significant risk to human health. Residents were advised to wash all produce carefully before cooking and eating, to remove arsenic-containing soil particles from the skins or leaves of the produce.

1.1.3.10 Arsenic Contamination Investigation, Kea`au Area Wide, Hawai'i

Follow-up actions to Kea`au area surface soil arsenic investigations in the previous year continued. In addition to testing fruits and vegetables collected from community gardens in the Kea`au area and the human exposure investigation, DOH continued to provide information and guidance to individuals and groups seeking advice regarding actions to reduce exposure to soil arsenic. Arsenic work in the Kea`au area led to a significant grant from EPA to develop a statewide soil arsenic strategy, discussed in more detail in *The Focus on 2007*, below.

1.1.3.11 Sugar Mill Investigations

In partnership with EPA and DOH evaluated several sugar cane mill properties surrounding inactive sugar mills to characterize of contamination and the determination of further work completed.

1.1.3.12 Pesticide Risk Management at Military Sites

Legacy pesticides, including arsenic and chlordane have been identified as environmental concerns at a number of military properties undergoing cleanup actions as part of their development for military housing. The cleanup of these pesticides present unique and sometimes problematic challenges because of apparent conflicts involving the exempt status of pesticides in HAR 128D and the concentrations observed above Tier 1 levels. So far, the issues are being addressed on a site-by-site basis by carefully designing more refined approaches for sampling based on improved experimental designs resulting in more accurate measurements of the critical concentrations. While discussions have solved the individual problems, an agreement with the military on a general policy particular approach for developing cleanup levels has not been reached at this time. Further discussions with the military continue in an attempt to reach a mutually acceptable resolution.

1.1.4 Key Public Health Studies

1.1.4.1 Acidic Haze of Volcanic Fog (VOG) Emissions Study

Kilauea volcano on the Big Island of Hawai`i has been erupting continuously since 1986, releasing between 1,000 and 2,000 metric tons of sulfur dioxide (SO₂) into the atmosphere on an average day (Hawai`i chapter of the American Lung Association). Through a Congressional appropriation, the U.S. Centers for Disease Control (CDC) provides funds to the Hawai`i Department of Health so that health effects experienced by Hawai`i residents that may be associated with potentially toxic volcanic emissions may be studied. These studies are an effort to help individuals with respiratory sensitivity.

1.1.4.2 VOG Health Assessment Study, An Assessment of the Health Effects from Exposure to Volcanic Emissions (formerly: Hilo Asthma Pilot Study)

Dr. Jon-Pierre Michaud, Associate Professor of Chemistry at the University of Hawai`i at Hilo, completed the Vog Health Assessment Study on September 29, 2005. This study investigated the possible associations between “vog” exposure and acute changes in health status. Vog, a dynamic mixture of gas and aerosols, was monitored hourly as sulfur dioxide (SO₂) and sub-micron particulate matter (PM₁) while simultaneously monitoring daily lung function, a suite of symptoms, and medication usage in children and adults. The study results showed no significant association between lung function data and mild to moderate vog exposure.

1.1.4.3 Bioaerosols, Smoke and Health, the Big Island Pilot Study: Associations of surrogate measures of exposure to bioaerosols and smoke, and changes in lung function or antigenic/symptomatic status in Hawai`i residents

The HEER Office received a \$77,007 grant award from the CDC to support a mini-bioaerosol study. Dr. Jon-Pierre Michaud, Associate Professor of Chemistry at the University of Hawai`i at Hilo, conducted a study that ended on September 29, 2005. This study looked at health risk issues that may have been attributable to bioaerosols and smoke other than volcanic pollution (vog) on the Big Island of Hawai`i. This bioaerosol study addressed the research question, “Are indices of bioaerosol exposure correlated with measures of health status in data that have already been collected?”

Dr. Michaud retrospectively analyzed approximately 15 months of daily data originally collected for a CDC/DOH study of vog (An Assessment of the Health Effects from Exposure to Volcanic Emissions; formerly: Hilo Asthma Pilot Study). Surrogate indices of exposure to bioaerosols (e.g., mold spores, dust mites, roach parts, pollens, animal dander, etc.) and smoke of all kinds, were derived from questionnaire data collected in Dr. Michaud's earlier vog study. Indices of health status (lung function, symptoms, and asthma episode occurrence) were also derived from data previously collected.

The pilot study alone is insufficient as a basis for public health policy. However, it does support the interventional idea that individuals with asthma may benefit from improving indoor air quality and specifically, reducing bioaerosol and smoke exposures in order to minimize or reduce asthma-related health impacts. This may be particularly true in tropical and subtropical regions such as Hawai'i where bioaerosols and smoke can be both abundant and often overlooked.

1.1.4.4 Volcanic Emissions and Airway Function, Inflammation, Heart Rhythm (AIR) Study

DOH received \$74,797 in additional funds to continue a study titled Volcanic Emissions and Airway Function, Inflammation, Heart Rhythm (AIR) Study and funded by the Department of Health and Human Services/Centers for Disease Control and Prevention (DHHS/CDC). Dr. Elizabeth Tam, a pulmonologist and professor of medicine at the University of Hawai'i (UH) John A. Burns School of Medicine (JABSOM), leads this study on the relative effect of volcanic air pollution on cardiopulmonary health. .

The overall goal of this research is to engage the community in research that explores the interactions between environmental factors and public health. Scientists and community researchers work together to explore the hypothesis that adults exposed to high levels of volcanic emissions develop airway obstruction, inflammation, or autonomic dysfunction.

Recent Development. July 2006 to September 2006. The work proposed for September 1, 2006 through August 31, 2007 will focus primarily on continuing to build relationships with the community, increasing air monitoring data, and characterizing some members of the non-exposed control group from the Kohala Multiethnic Health Research cohort on the Kohala coast of the Big Island.

1.1.4.5 Ala Wai Canal, Oahu

DOH is working with Oceanic Institute the University of Hawai'i to assess the health risk of consuming barracuda and papio from the Ala Wai Canal. Results of the study to measure quantities of organochlorine pesticides, polychlorinated biphenyls (PCBs), polybromated diphenyl ethers (PBDEs), and lead in fish tissue will be available in 2007.

1.1.4.6 Risk Assessment for Enchanted Lakes

A HEER Office toxicologist reviewed data submitted to DOH in a report titled "Assessment of the Chemical Contamination in Enchanted Lake Area" prepared for the Kailua Bay Advisory Council by the Hawai'i Institute of Marine Biology. Our analysis indicated that the pesticide levels measured in the Enchanted Lake area appear to be consistent with Oahu's urban background levels. Further, our analysis indicated that the organochlorine pesticides and total PCBs may be present at levels that could pose a health risk if fish are consumed frequently from Enchanted Lakes. Additional sampling was recommended to confirm the results of this preliminary sampling.

1.1.5 Key Community Involvement

1.1.5.1 Stryker Brigade, Oahu, Public Outreach (Barbara)

Calls from public groups resulted in meetings to discuss concern for general and widespread contamination related to the Striker Brigade. Several individuals requested a meeting to discuss the Army's training practices that produced soil contamination and air impacts related to the training on the island of Hawai'i.

1.1.5.2 Kea'au, Hawai'i, Arsenic Soil Issues

DOH held a community meeting in Kea'au, Hawai'i on August 23, 2005 to provide an update on DOH soil arsenic investigations in the Kea'au area over the previous year. Approximately 60 people attended the meeting at the Kea'au community center. DOH presented slides on arsenic contamination investigations in surface soil at area schools, parks, community gardens and areas adjacent to residential neighborhoods. After the presentation, DOH responded to questions from the attendees for 2 hours. Newspapers on Hawai'i (Hilo Tribune and West Hawai'i Today) and Oahu (Star Bulletin) published high profile stories on the information provided by DOH in these community meetings. DOH also met with the mayor of Hawai'i County, Harry Kim, and some of his administrative support staff on August 23 to inform them of the soil arsenic contamination issues and DOH investigations.

1.1.5.3 Proposed Kea'au Hotel Site, Hawai'i

A revised Draft Response Action Memorandum was issued for this proposed hotel site in Kea'au on January 19, 2006. A mailing was sent out to about 50 community members that included a fact sheet on the proposed site and the proposed remediation of soil arsenic and lead contamination. A public meeting was held in the Kea'au Community Center the evening of March 1 to provide information and solicit comments. The public comment period extended through March 21, 2006. A total of about 60 comments were received from 14 individuals or groups for careful consideration and response in the Final Response Action Memorandum.

Recent development. July 1 – September 20, 2006. The Final Response Action Memorandum was finalized by DOH. There continues to be significant public interest and concern about this cleanup decision.

1.1.5.4 Paia Sugar Mill Mud Concerns

Mill mud from stockpiles generated from the routine maintenance cleaning of the Paia Sugar Mill's settling ponds has been trucked to two (2) new residential developments (Maui Lani Subdivision in Wailuku and Old Stable LLC Subdivision in Sprecklesville) for use as fill material. Maui residents near the new residential developments receiving the mill mud had expressed concerns about potential contamination of the mill mud. They have identified health concerns including eye irritation, respiratory issues, and nuisance concerns from the dust. In May 2006, in response to the community's concerns, the HEER Office instructed Hawai'ian Commercial & Sugar Company (owner of the Paia Sugar Mill) to sample the mill mud in the stockpiles adjacent to the settling ponds. The results of this sampling effort revealed that the soils do not pose a threat to human health and the environment. Contaminants detected in the soils samples did not exceed the DOH Environmental Action Levels and the soils may be safely used as fill material in residential neighborhoods. In response to concern raised by members of Maui County Council, a detailed fact sheet about the mill mud was prepared.

1.1.5.5 Kaneohe MCBH Housing Development Chlordane Concern

In Spring 2006, a newspaper story initiated by a Navy contractor fanned public concern about possible chlordane contamination at a military housing development on a local military base. After some discussion of the problem, it became clear that the driving issue for the complaint was directly related to a difference in opinion between the Navy and the contractor on work performance. DOH did not engage in the performance problem, but did provide information related to the contamination on the site and suggested approaches for cleanup. Technical discussions with the Navy about this site have led to broader discussions with all of the DOD services about appropriate risk management of historic pesticide contamination.

1.1.5.6 Community Presentation to the Honolulu Senior Companions Program

A HEER Office toxicologist spoke to the Senior Companions Program at Queens Hospital on contaminants found in air, drinking water, and food. The Seniors had many health-related questions, and a lively discussion lasted over 2 hours.

1.1.5.7 Media Interviews on High-Profile Issues by a HEER Office Toxicologist

Nanakuli brush fires and possible health effects

Front page and page A-2 of Honolulu Advertiser, August 18, 2005. The principal health effect was aggravation of pre-existing allergies and respiratory conditions, from airborne fungal spores, soot particles, and biogenic silica fibers arising from burned vegetation. Prompted by this article, KHNL-TV News conducted two on-camera interviews, one on August 18 and one on August 19, which was a State holiday.

Ala Wai Canal and sewage contamination

Front page stories on possible health effects of chemicals and microbes, April - May 7, 2006. Similar inquiries came to Hazard Evaluation from the office of Senator Fred Hemmings and from the Waikiki Neighborhood Board, while a very visible sewage-diversion pipe was installed on Ala Wai Boulevard. The presence of the pipe prompted inquiries about the possible generation of airborne infective microbes, but from DOH investigative experience 20 years ago at Queen's Gate in Hawai'i Kai, East Honolulu, there was no danger of airborne microbes. Meanwhile, Waikiki's beaches were posted with warnings against swimming because of excessive bacterial contamination in the ocean. A man died of *Vibrio vulnificus* infection on April 6 after allegedly falling in Ala Wai Yacht Harbor on March 31; *Vibrio vulnificus* is not characteristic of sewage.

Chemical agent munitions dumped off Oahu's shores in 1944 by the Army and Navy

Front page of the Honolulu Advertiser, February 2, 2006. The exact dumping sites are presently uncertain. An investigation is underway by Army historians and chemical-agent experts from Fort Detrick, Maryland. The State Department of Defense is the lead agency for the State. The Department of Health is monitoring the situation and will take appropriate action as more facts become available.

Aina Haina Elementary School, Honolulu

Front page of Honolulu Advertiser, April 13, 2006. A neighbor of the school sprayed malathion in his garden on a windy morning, resulting in more than 40 students being sent to hospital emergency rooms with various health complaints, including nausea, eye irritation, and respiratory effects. Besides discussing the health effects for the newspaper story, the

toxicologist coordinated with the school's principal on a written report to the families of all students.

Leihoku Elementary School, Waianae, Oahu

Honolulu Advertiser story on November 4, 2005. Two or three children were sent home with nosebleeds in the early morning. HFD, HPD, and a HEER Office on-scene coordinator could not find a definite environmental cause on the school grounds or off-campus. An exceptionally windy day possibly stirred up unusual amounts of playground dust.

1.1.6 Key Emergency Response Actions

1.1.6.1 Chevron Barbers Point Mooring

On September 24, 2005, a crude oil release occurred from the oil tanker CSK Shelton located at Chevron's Barber's Point mooring. Approximately 110 gallons of oil was released. Response consisted of removal of tar balls that washed up on shore at three locations at Campbell Industrial Park: 1) former feedlot at end of Olai; 2) behind Kalaka Nui Trucking at end of Hanua; and 3) indirectly behind Germaine's Luau. Cleanup continued until September 30, 2005, when the incident was given a "No further action at this time".

1.1.6.2 Tanker Truck Spill Near Hilo

On October 19, 2005, a tanker truck flipped over off a bridge north of Hilo spilling 4000 gallons of diesel fuel. Clean Islands Council responded and conducted the clean up.

1.1.6.3 Overflow of an Above Ground Tank, Hilo

On October 23, 2005, the State Hospital in Hilo's aboveground fuel tank overflowed spilling 200 gallons of diesel fuel. Off-scene coordination by a State On-Scene Coordinator was done while Phillips Environmental did the clean up.

1.1.6.4 Threat of an Unknown Substance, Honolulu

On January 20, 2006, the Executive Chamber Office of the Governor received a letter via the United States Post Office. Upon opening, a powdery white substance was observed. Upon notification, a site visit was conducted and a Unified Command set up with City and County HazMat; Sheriff's Office; FBI and the Honolulu Police. The powder turned out to be talcum powder.

1.1.6.5 Hazardous Chemical Release, Lihue

On May 27, 2006, at approximately 0805, methyltrichlorosilane (MTS) was released at Trex Hawai'i's operation in the Lihue Industrial Park Phase II. Trex Enterprises is a high-tech company that specializes in government and commercial research and development, primarily in the development of advanced ceramic and other structured materials. The incident occurred as an employee was transferring MTS from a storage tank to a process tank. MTS is a colorless, corrosive, flammable liquid, and forms a toxic gas, hydrogen chloride, when in contact with water or humid air. Reportable quantity of MTS is 500 pounds; with a 1,000 pounds or 100 gallons total capacity of the storage tank, 600 pounds of MTS were released.

A Unified Command was established with representatives from County of Kauai Fire and Police Departments, Department of Health and Trex Hawai'i. The industrial park was evacuated; foam sprayed

inside the containment to suppress the vapors, neutralized, cleaned and disposed of. As of June 19, 2006, the facility remains closed. Short-term corrective actions are ongoing; a failure analysis engineer has been engaged to investigate the root cause of the incident. Long-term corrective actions include plans to upgrade their system such as installing automatic foam suppression and a scrubber system to the containment unit.

This incident has led some members of the Lihue Industrial Park interested in creating an organization similar to Honolulu's Campbell Local Emergency Action Network (CLEAN).

1.2 ERRF Funding to Special Environmental Programs

During FY 2006, ERF funding to the HEER Office was allocated to special state programs managed within the Department of the Attorney General, Department of Land and Natural Resources, Department of Health Environmental Management Division Solid and Hazardous Waste Branch, and the University of Hawai'i.

1.2.1 Prevention, Control, and Extinguishment of Wildland Fires Managed Within Department of Land and Natural Resources Funding Authorized

On August 15, 2005, DLNR Chair Peter T. Young requesting funding assistance relating to environmental protection wrote a memorandum to Department of Health (DOH) Director Chiyome L. Fukino. The request was to utilize the Environmental Response Revolving Fund (ERF) for costs incurred during the fiscal year on wildfire suppression activities on an as-needed basis. Utilizing these funds for this purpose would fall under the purview of Chapter 128, Hawai'i Environmental Response Law, Sec. 128D-2(b)(2). On April 26, 2006, approval was received by the Governor to transfer \$150,000 from the ERF fund to Department of Land and Natural Resources (DLNR).

Fire Suppression Activity

In FY06, the DLNR was involved in fire suppression activities across the state. One fire on Kauai (135 acres), four fires on Oahu (3,270 acres) one fire on Maui (110 acres), and five fires on the Big Island (16,000 acres) constituted a major financial concern for the Department. The Department's Firefighters Contingency Fund was drawn down to critical levels.

1.2.2 Environmental Crimes Unit (ECU) Within the Department of the Attorney General Continues

The Environmental Crimes Unit (ECU) within the Department of the Attorney General formed in 2004. The mission of the ECU is to identify, apprehend, and successfully convict significant violators of environmental law who pose substantial risks to human health and the environment or to environmental regulatory integrity (e.g., those who commit fraud, false reporting, and concealment). It is the State's intent to maximize compliance and reduce threats to public health and the environment by employing an integrated approach of compliance assistance, inter-governmental coordination, and vigorous civil and criminal enforcement.

This program further underscores State's goal to have the responsible party pay to restore the environment and when applicable, and pay or reimburse the Environmental Response Revolving Fund (ERF) and other applicable funds for expenditures incurred. DOH assists with technical support to the AG for investigations and prosecutions, where necessary and consistently with emergency response priorities.

The Department of Health reallocated \$142,787 of HEER Office emergency response operations funding to two investigators for one year dedicated to conducting environmental crime investigations for the state. These investigators work closely with the Department of Health and the EPA Criminal Investigations Division. The Attorney General has also assigned two deputy attorneys general to prosecute environmental crimes in state court.

The unit investigates and prosecutes environmental crimes that pose a substantial risk to public health or the environment. These investigations include, but are not limited to the fields of air quality, water quality, solid and hazardous waste, underground storage tanks, toxic and hazardous substances, pesticides, and/or importation and exportation, counterfeiting, and application and illegal use of restricted or regulated chemicals in the state. The ECU continues to vigorously prosecute crimes against the environment.

This past year, the unit successfully prosecuted several individual resulting in felony and misdemeanor convictions. The Unit will continue to aggressively investigate and prosecute crimes against the environment. It will also continue to foster relationships with other state, local and federal agencies.

As an example of the cases prosecuted by the ECU, a Honolulu man was prosecuted for dumping tar into a storm drain. The individual and a co-defendant were trying to drain the leftover tar from a derelict tar truck that they were planning to sell to a metal recycler. An alert citizen observed the defendants draining the tar out of the truck into a storm drain and called 911. Authorities found a bucket of tar next to a gutter leading into a storm drain and wet tar at the bottom of the drain. Knowingly dumping or causing water pollutants to enter a storm drain is a class C felony punishable by up to three years in prison, or a fine of not less than \$5,000 and not more than \$50,000, or both.

The Defendant pleaded guilty to the class C felony and other unrelated felony offenses and was ordered to 3 years probation and to spend a year in jail.

In addition, there are several cases being investigated for future prosecution. The ECU has fielded more than 160 calls for information, reports of dumping, requests for clean up of dump sites, requests for appearance at meetings to disseminate information on the ECU, and how to report illegal activity.

1.2.3 County's Oil Recycling Program Managed and Overseen by the Solid and Hazardous Waste Branch (SHWB) Continues

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. Since January 2006, the Hazardous Waste Section has received and responded to 21 used oil related complaints.

1.2.4 Hawai'i Energy Policy Forum Memorandum of Agreement between DOH and University of Hawai'i

Funding for the Hawai'i Energy Policy Forum ("HEPF" or "Forum") was appropriated by the legislature in FY 2005. In FY 2006 a Memorandum of Understanding between Department of Health (DOH) and University of Hawai'i Social Sciences Public Policy Center (Center) was defined. The funding from the DOH is to be used to provide the necessary planning to implement the vision, goals, and recommendations developed by the of the Hawai'i Energy Policy Forum during the period of 2002 to 2005 for its long term energy strategy.

Efforts during the FY 2006 focused on internal governance and development of a consensual model for developing the goals, actions, and legislative proposals. Members acknowledged the importance of including all sectors at the table and made efforts to add the following organizations to its membership: Office of Hawai`ian Affairs, Economic Development Alliance of Hawai`i, Hawai`i State AFL-CIO, and energy consultant groups such as Energy Industries and Energy Group.

The HEPF developed the Action Plan Outline (HEPF Ten Point Plan) for the purpose of defining a sound governance structure and process that includes working groups for development and implementation of more detailed plans; and development of a communication/outreach plan that will include meeting with lawmakers and administration officials.

Governance and Action Plan Working Groups were given the responsibility to address the goals of the Ten Point Plan (“Action Plan”) as follows:

- Renewables Working Group: To address Point 1 (expand renewable energy opportunities), Point 3 (increase solar water/energy efficient appliances), Point 8 (support R&D of alternative fuels), and Point 9 (encourage development, production and use of biofuels)
- Hydrocarbons Future Working Group: To address Point 10 to ensure a secure system for fuel and electric utility grid
- Energy Efficiency/Conservation Working Group: To address Point 2 (energy efficiency in public buildings), Point 3 (increase solar water/energy efficient appliances), and Point 7 (improve energy efficiency and options in transportation)
- Regulatory Reform Working Group: To address Point 4 (maintain policies and regulations to encourage energy efficiency and renewable resources) and Point 5 (preserve regulatory protections)
- Social & Cultural Impacts Working Group: To address Point 6 (invest in planning for sustainable communities)
- Communication & Outreach Working Group: To address the need to inform the public about Hawai`i’s energy needs and developments and of the HEPF activities; and to further outreach to the community through media and other public events

The HEPF developed legislative proposals to further the goals in the Action Plan and presented its findings and recommendations to the Joint Senate-House Energy Committees in January 2006. Ten proposals were submitted to the energy committees for consideration. Seven proposals were passed by the 2006 Legislature and signed into law by the Governor.

The HEPF briefed the House Committee on Energy and Environmental Protection and the Senate Committee on Energy, Environment and International Affairs on January 19, 2006. The HEPF also briefed representatives of the Governor, particularly as it affected proposals relating to the PUC and DCA; and its members were also invited to discussions of the Administration’s energy package. The resulting legislation was comprehensive and extensive in addressing and furthering energy efficiency, renewable energy opportunities, and regulatory reform for the State.

During FY 2006, a communication/outreach plan was developed via a contract with the Hawai`i Institute for Public Affairs. A plan was adopted with major projects accomplished to date being: (1) briefing of

the 2006 Legislature on energy issues and recommendations; (2) conducting a press conference and writing news articles on the HEPF energy proposals and assessment of the state's efforts; and (3) publishing a brochure on the Forum's Ten Point Plan.

1.3 Environmental Management Division Local Area Network Improved

During FY 2006, the network manager was involved in various Information Technology (IT) projects. These projects included the Environmental Health Administration (EHA) One Stop project, the Clean Water Branch (CWB) Water Quality Web application project, and the Clean Air Branch (CAB) database project. Major milestones accomplished were the establishment of a Microsoft SQL database server and Microsoft Web Server.

1.4 Clean Water Branch Sewage Spill Notification Web Site Improved

In 2006 the Clean Water Branch continued to improve the warning and sewage spills on the DOH web site. With the March storms and the Ala Wai Canal sewage spill highlighting the year, our water quality data postings and spill postings became very important to getting current information to the public.

1.5 Safe Drinking Water Branch Protection of Public Health and Drinking Water Quality Improved

The ERRF continued to support Safe Drinking Water Branch personnel and activities related to the protection of public health and drinking water quality. The following major activities took place during the past fiscal year:

- Hired an Information Technology Specialist who has begun the critical task of implementing the Safe Drinking Water Information System to help report water quality and drinking water compliance data to the U.S. Environmental Protection Agency.
- Completed the migration of Public Water System Supervision inventory data into the Safe Drinking Water Information System /State database.
- Provided the Safe Drinking Water Information System /State training to all of Safe Drinking Water Branch's technical staff in April 2006.
- During FY 2006, all public water systems continued to demonstrate compliance with the 90th percentile Lead and Copper action levels at consumers' taps.
- The Kaluakoi water system came into compliance with the Surface Water Treatment Rule by consolidating with the Maunaloa water system, which replaced and increased the capacity of its surface water treatment plant.
- The Waiulili Spring was determined to be a groundwater under the direct influence of surface water following the sanitary survey of the Kukuihaele water system.
- Completed 24 sanitary surveys of public water systems throughout the State.

- Initiated a contract to conduct the sanitary survey of the second largest public water system in the state, BWS Waipahu-Ewa-Waianae.
- Revised Hawai`i Administrative Rules, Chapter 11-20, Rules Relating to Potable Water Systems, to incorporate the Long Term 1 Enhanced Surface Water Treatment Rule, Stage 1 Disinfectant/Disinfection By-Products Rule, Filter Backwash Recycling Rule, and the Arsenic and Clarifications to Compliance and New Source Contaminants Rule.
- Received 175 Underground Injection Control applications, issued 33 approvals to construct, 46 operating permits, and closed 24 injection well facilities.

1.6 Solid and Hazardous Waste Branch

1.6.1 Underground Storage Tank Program Receives Award

The Underground Storage Tank Program received the FY2005 Government Performance Reports Act (GPRA) award from the U.S. Environmental Protection Agency for accomplishing the cleanup goal (October 2004 through September 2005). The goal for Federal FY2005 was to cleanup 60 sites with releases from underground storage tanks.

1.6.2 Used Oil Management and Recycling

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. Since January 2006, the Hazardous Waste Section has received and responded to 21 used oil related complaints.

1.7 The Focus on 2007

HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE

SHIFTING RESOURCES TO STATE SITE DISCOVERY EFFORTS

Traditionally, the Hazard Evaluation and Emergency Response (HEER) Office has identified potentially contaminated sites through release reports, voluntary data submissions from responsible parties and preliminary assessments conducted using federal Preliminary Assessment/Site Inspection (PA/SI) grant funding. EPA has notified DOH that PA/SI funding is being phased out and that anticipated grant funding for FY 2008 will be substantially lower than the current funding level, which supports three EHS IV positions.

To continue and expand effective “discovery” of contaminated sites in Hawai`i, the HEER office is planning to transition the PA/SI positions into a state-led Site Discovery program. A budget request has been submitted to transfer funding for one of these positions to the ERRF. Negotiations are underway with EPA to shift the use of some of the remaining PA/SI funding as well as the EPA State Response Program (SRP) grant to support increased state site discovery efforts.

IMPLEMENTING UECA AND SUPPORTING EFFECTIVE MANAGEMENT OF CONTAMINATED LANDS

Implementation of the Uniform Environmental Covenants Act (UECA) is another key initiative for the HEER office in FY2007. The UECA, passed by the Legislature and signed into law in July 2006, provides a clear legal framework for enforcing conditions that are imposed on risk-based environmental clean up projects where complete removal of all contaminants is not necessary, and not feasible or practical. The law became effective upon its approval, and consequently requires prompt implementation. The legislation did not provide funding for implementation, however. Therefore, the HEER office will be diverting existing resources to begin UECA implementation in FY2007, and has submitted a budget request for FY2008 to fully implement the requirements of the law.

A related priority for HEER office in FY2007 and FY2008 is the increasing need to provide expert technical guidance to our partner agencies in the State for effective environmental decision making for contaminated lands under State or local ownership. The State has a responsibility to identify and manage environmental threats on its property holdings to ensure protection of human health and the environment, and yet the individual agencies often don't have the necessary technical resources to ensure that these crucial evaluations are being conducted. While the HEER office continues to provide a limited amount of this support informally, the need for a dedicated technical position in the HEER office to provide this function to the state is clear. If approved, the FY2008 budget request for a contaminated lands Redevelopment Specialist would be available to provide expert guidance to other agencies and also promote and manage the increasing number of brownfields activities occurring statewide. Working together with other agencies to effectively manage risks from contaminated sites and actively promoting the clean up and redevelopment of privately and publicly held brownfield properties will provide tremendous benefits to the state, including opening development opportunities to address the critical shortage of affordable housing and commercial development.

STATEWIDE SOIL ARSENIC STRATEGY AND RESEARCH COLLABORATION WITH UH MANOA

The HEER office was awarded \$117,000 in grant funding from EPA to develop a statewide soil arsenic strategy and implementation plan in FY2007. This award allows DOH to expand the work begun in the Kea'au area wide investigation of sugarcane lands. Study planning and design is underway, scoping the additional work needed to develop delineation maps, cleanup strategies and associated guidelines and policies for evaluation, remediation and redevelopment of these agricultural lands.

As a part of the grant, DOH is collaborating with University of Hawai'i Manoa faculty and graduate students to plan and implement a demonstration project to evaluate the efficacy of phytoremediation (using plants to remove arsenic from soils) and use of soil amendments to treat soils high in arsenic. These studies will assist DOH in evaluating additional options available for managing arsenic contaminated soils.

IMPLEMENTING THE ONE STOP PROJECT

The offices and branches of the Environmental Health Administration (EHA) are working as a team to implement the One Stop Project. The plan for this project is to facilitate an EHA-wide user interface, develop mechanisms for inter-agency and public data portals and data exchange, and integrate all EHA branch and office environmental site data into one enterprise database with one facility name index.

To meet these and also the One Stop Project requirements, the office will be developing tools that conform to the Environmental Protection Agency's (EPAs) Facility Identification Template for States (FITS), Facility Registry System (FRS), and the Environmental Data Registry (EDR) models.

Development of a quantifiable information management system will continue to be a HEER Office priority in FY 2007 as the office improves and builds program and project management capacity to order, enforce, oversee cleanups of contaminated sites, and recover costs wherever possible. The requirements and criteria for quantifiable reporting of site clean-up work is a mandatory requirement defined in EPA State Response Program grant terms and conditions.

SAFE DRINKING WATER BRANCH

The ERRF will be depended upon to support Safe Drinking Water Branch personnel and important activities related to the protection of public health and drinking water quality. In FY 2007, the Safe Drinking Water Branch will conduct the following major activities:

- Continue with the implementation of the Safe Drinking Water Information System.
- Collaborate with the U.S. Environmental Protection Agency, Region IX, to oversee the early implementation requirements of the Long Term 2 Enhanced Surface Water Treatment Rule and the Stage 2, Disinfectants/Disinfection By-Product Rule.
- Implement the requirements of the Lead and Copper Rule and incorporate policy or interpretation clarifications made by the U.S. Environmental Protection Agency.
- Conduct approximately 24 new sanitary surveys of public water systems throughout the State.
- Develop a contract for a third party to conduct a sanitary survey of the Department of Water Supply (DWS) Wailuku and the three Upcountry Maui water systems (DWS Makawao, DWS Lower Kula, and DWS Upper Kula).
- Develop a contract for assisting childcare providers and elementary schools throughout the State, to implement the U.S. Environmental Protection Agency's three T's (Training, Testing, and Telling) for managing the health risks of lead in schools and drinking water.
- Amend Hawai'i Administrative Rules, Chapter 11-20, Rules Relating to Potable Water Systems, to incorporate the Radionuclides Rules as well as other upcoming rules such as the Groundwater Rule, Long Term 2 Enhanced Surface Water Treatment Rule, Stage 2 Disinfectant/Disinfection By-Products Rule, etc.
- Seek out other continuing education opportunities or programs for water system operators and managers in an effort to improve system capacity.
- Assist Hawai'i Mayor Kim, in his efforts to educate and improve water quality for users of rain-water catchment systems.
- Assist the University of Hawai'i, Cooperative Extension in their sponsoring of the American Rain-Water Catchment System Association's national conference, August 2007.
- Continue to process and review underground injection control applications to help protect existing and future underground sources of drinking water.

SAFE DRINKING WATER INFORMATION SYSTEM (SDWIS/STATE)

The Safe Drinking Water Branch can now report its inventory and compliance data directly to the U.S. Environmental Protection Agency's Central Data Exchange. The next major challenge is the migration of an immense amount of drinking water monitoring data into the Safe Drinking Water Information System.

Further, the Safe Drinking Water Branch must be prepared to move into the Safe Drinking Water Information System/State web release versions 1 and 2. These advancements will allow full use of the Safe Drinking Water Information System by all staff through our Environmental Health Administration's local area network. While this software will not immediately fulfill all data and program management needs, it represents the beginning of a commitment to move from a predominantly manual to a more efficient, automated data management system.

ASSISTANCE TO OWNERS AND USERS OF RAIN-WATER CATCHMENTS SYSTEMS

As the result of a housing boom and the rising cost of infrastructure, there has been a tremendous increase in the number of homes proposing to utilize rainwater catchment systems on the Big Island. It is projected that the Big Island has the potential of having as many as 60,000 lots served by rainwater catchment systems. Hawai'i County Mayor Harry Kim has formed a committee to examine the responsibilities of government to persons depending upon rain-water catchment systems, recognizing that it represents an affordable alternative to more conventional drinking water sources such as wells. This committee met twice during FY 2006 and will continue to meet in FY 2007. Initial committee assignments have placed emphasis on expanding educational efforts and setting preliminary building standards.

The Safe Drinking Water Branch will be working to assist and support the College of Tropical Agriculture and Human Resources effort in sponsoring a conference on catchment system. The American Rain-Water Catchment System Association will be holding its national conference at the Kilauea Military Camp on the Big Island. This conference will bring together national and international experts on rainwater catchment and make them available to rainwater catchment system owners and users on the Big Island and other island residents in attendance. The conference is scheduled for August 15 to 17, 2007.

SOLID AND HAZARDOUS WASTE BRANCH

UNDERGROUND STORAGE TANK PROGRAM

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. For the federal FY 2006 (October 2005 through September 2006, our cleanup goal was set at 50 sites. We are continuing to accomplish this goal.

The Geologist I position was abolished in July of 2005, based on a workload analysis. Cost savings from the position was reallocated for an EHS IV inspector position in the Hazardous program. The reallocation enabled increasing the program's efforts in responding to tips and complaints.

CHEMWOOD SITE, OAHU

The Department is working closely with EPA to finalize a Prospective Purchaser Agreement (PPA) between EPA and a developer interested in purchasing the contaminated Chemwood site. A public hearing was had and a final remedy to cleanup the site is currently being drafted.

KAUAI PROPERTIES

Facilities such as Hale Kauai and Hawai'i Wood Preserving are undergoing closure of their contaminated properties, to make way for new activities and revitalization of their properties.

MAKUA MILITARY RESERVATION, OAHU

Makua Military Reservation continues to be a highly charged site. The army has agreed that upon cessation of training, and the land is transferred back to the state, the army will do a complete closure of the site.

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2 128D, HRS REPORT ON ENVIRONMENTAL RESPONSE REVOLVING FUND HTH 849 AND HTH 840 BUDGET AND EXPENDITURE

Chapter 128D, HRS, Environmental Response Law, requires that the department submit an annual report to the legislature on environmental response revolving fund (ERRF) monies budgeted and expended for implementing remedial action plans.

Five programs in the Environmental Health Administration (EHA) received funding from the ERRF during FY 2006. 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).

2.1 The Environmental Response Revolving Fund

The Environmental Response Revolving Fund (ERRF), established in Chapter 128D, HRS, is supported by a tax of five cents per barrel on petroleum sold in the State of Hawai`i, fines and penalties for environmental violations, grants, legislative appropriations, and costs recovered from response actions.

The fund supported by the tax of five cents per barrel on petroleum sold in the State of Hawai`i, fines and penalties for environmental violations, grants, legislative appropriations, and costs recovered from response actions is used to conduct removal or remedial actions consistent with Chapter 128D. The fund supported by the oil tax is also used for the following:

- Oil spill planning, prevention, preparedness, education, research, training, removal, and remediation.
- For 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.

2.2 Report on De Minimis Settlements

Chapter 128D, HRS, Environmental Response Law, requires that the department report annually on any de minimis settlements. During FY 2005 there were no de minimis settlements.

2.3 Environmental Response Revolving Fund Revenue

Table 1 presents the actual revenue collected as of June 30, 2006.

TABLE 1 ENVIRONMENTAL RESPONSE REVOLVING FUND REVENUE

Revenue Source	FY 2006
Environmental Response Tax	1,807,921
Fees. Filing of Tier II Chemical Inventory	41,921
Violations of Air Pollution	107,700
Violations of Hazardous Waste	163,050
Violations of Water Pollution	1,021,043
Violations of Community Noise Control	4,050
Violations of Safe Drinking Water	0
Other	0
Total ERRF Revenue	3,145,685

2.4 Environmental Health Administration Budget and Expenditure Summary

Budgets were appropriated for the Hazard Evaluation and Emergency Response (HEER) (\$2,974,507), the Environmental Management Division (EMD) (\$54,997), the Clean Water Branch (CWB) (\$272,573), the Safe Drinking Water Branch (SDWB) (\$742,013), and the Office the Solid and Hazardous Waste Branch (SHWB) (\$547,193). The total ERRF appropriation for the five programs was \$4,591,283.

The State expended \$3,014,858 of \$4,591,283 appropriated to fund five HTH 849 and HTH 840 environmental programs. The individual draw-downs from the ERRF were \$1,619,763 to the Hazard Evaluation and Emergency Response (HEER) Office, \$0 to the Environmental Management Division, \$273,179 to the Clean Water Branch, \$630,222 to the Safe Drinking Water Branch, and \$491,694 to the Solid and Hazardous Waste Branch.

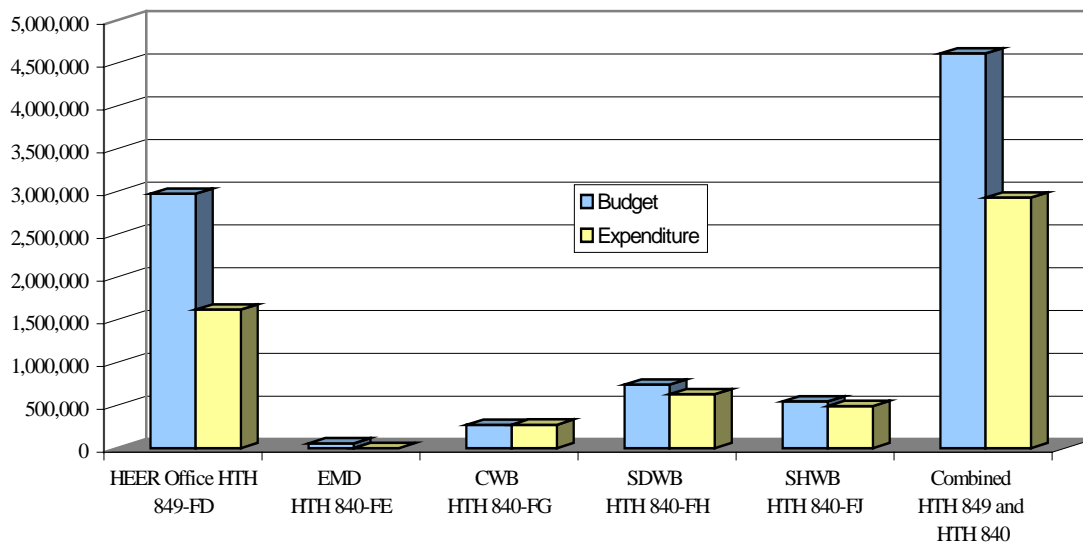
Table 2 presents a summary of the amounts budgeted, allocated, and expended for each of the five EHA programs. The amounts presented for allocated and appropriated monies may differ due to normal accounting and union adjustments to the budget. However, the FY 2006 HEER Office appropriation and allocation differ as a result of the April 26, 2006 Governor's approval to raise the HEER Office budget ceiling and transfer \$150,000 from the ERRF to Department of Land and Natural Resources (DLNR) for wildfire management.

TABLE 2 ERRF BUDGET AND EXPENDITURE FOR FIVE EHA PROGRAMS

	Budget FY 2006	Allocated FY 2006	Expenditure FY 2006
HEER-HTH 849-FD			
A Funds	824,094	840,301	770,889
B Funds	2,150,413	2,300,413	799,493
C Funds			49,381
HEER Subtotal	2,974,507	3,140,714	1,619,763
EMD-HTH 840-FE			
A Funds	54,997	54,997	0
EMD Subtotal	54,997	54,997	0
CWB-HTH 840-FG			
A Funds	107,573	107,573	123,110
B Funds	160,000	160,000	150,069
C Funds	5,000	5,000	0
CWB Subtotal	272,573	272,573	273,179
SDWB-HTH 840-FH			
A Funds	587,020	599,398	608,684
B Funds	154,993	154,993	21,538
SDWB Subtotal	742,013	754,391	630,222
SHWB-HTH 840-FJ			
A Funds	532,193	545,854	491,694
B Funds	15,000	15,000	0
SHWB Subtotal	547,193	560,854	491,694
Total	4,591,283	4,783,529	3,014,858

Chart 1 presents a graphic summary of the budget and expenditures for the five Environmental Health Administration (EHA) programs receiving funding from the ERRF.

Chart 1 ERRF HTH 849 and HTH 840 Budget and Expenditure Summary



2.5 Hazard Evaluation and Emergency Response Office Budget and Expenditure Summary

TABLE 3 HEER OFFICE ERRF BUDGET AND EXPENDITURE

	Budget FY 2006	Allocated FY 2006	Expenditure FY 2006
A Funds			
1 Toxicologist I, SR 26			
2 Env. Health Specialist V, SR 24			
5 Env. Health Specialist IV, SR 22			
1 Epidemiological Specialist III, SR 20			
1 Clerk Typist II, SR 08			
10 A Funds Subtotal	824,094	840,301	770,889
B Funds			
Response 322			
Operations B 323			
B Funds Subtotal	2,150,413	2,300,413	799,493
C Funds			
			49,381
Total HEER Office ERRF Budget and Expenditure	2,974,507	3,140,714	1,619,763

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. The work includes preventing, planning for, responding to hazardous substance releases or risks of releases, and protecting the natural resources of the State of Hawai'i. The HEER Office accomplishes this mission by addressing contaminated sites with the highest risk to human health and the environment first, preventing contamination rather than cleaning up after the fact, and basing decisions on sound scientific principles and common sense.

2.5.1 HEER Office ERRF Funding Appropriated to Other State Uses

FY 2006 ERRF funding to the HEER Office was made available to the following special state programs.

- Hawai'i Energy Policy Forum Memorandum of Agreement between DOH and University of Hawai'i (\$100,000)
- Oiled Wildlife Response Program (\$75,000) veterinarian managed by the Department of Land and Natural Resources (DLNR)
- County's Oil Recycling Program (\$200,000) managed and overseen by the Solid and Hazardous Waste Branch (SHWB)
- Environmental Crimes Unit (ECU) (\$142,787) within the Department of the Attorney General
- Shared HEER Office and SHWB legal services (122,000) to State Department of Attorney General.
- Prevention, control, and extinguishment of wildland fires within the forest reserves, public hunting areas, wildlife and plant sanctuaries, and natural area reserves (\$150,000) to DLNR.

2.5.2 Hazard Evaluation and Emergency Response Office Operations

The functions for the HEER Office are defined in Chapter 128D, HRS, Chapter 128E, HRS, and the following federal laws; Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), Emergency Planning and Community Right-to-Know Act (EPCRA), Clean Air Act (CAA), and Oil Pollution Act (OPA) of 1990. In general, ERRF and General Fund appropriations to the HEER Office provide for state leadership in addressing all aspects of releases of hazardous substances and/or petroleum into the environment. Federal grant monies received by the HEER Office provide for development of state programs such as the Voluntary Response and Brownfields Programs, and support Remedial Project Managers in performing oversight for site assessment and clean-up activities.

The office is comprised of three operating sections, each addressing an important aspect of its mission. The implementing sections are organized as follows: 1) Emergency Preparedness and Response; 2) Site Discovery, Assessment and Remediation; and 3) Hazard Evaluation.

The HEER Office utilized the ERRF, General fund, and federal grant funding for four purposes: operations; response; personnel, and equipment purchases. The three sources of funds are portioned to each of the three HEER Office operating sections. For this reason, the HEER Office report on specific areas of expenditure is presented for the three operational sections within the HEER Office.

The FY 2006 HEER Office General fund budget and expenditure summary is shown below.

HEER Office General Fund Appropriation	Budget FY 2006	Expenditure FY 2006
A Funds		
1 Environmental Program Manager		
1 Epidemiological Specialist IV, SR 22		
4 Env. Health Specialist IV, SR 22		
<u>1 Clerk Typist, SR 08</u>		
7		
A Fund Subtotal	348,333	361,663
B&C Funds	49,418	68,814
Total	397,751	430,477

The federal funding data presented has been adjusted to coincide with the State fiscal year as reflected in the Annual Operating Budget and the Financial Accounting Management Information System (FAMIS) Expenditure Reports. The State FY 2006 extends from July 1, 2005 to June 30, 2006, while the Federal FY 2006 extends from October 1, 2005 to September 30, 2006.

For state FY 2006, the HEER Office budgets and expenditures for four federal grants was as follows:

HEER Office Federal Grant Funding Source	Budget FY 2006	Expenditure FY 2006
EPA State Response Program	788,717	649,276
EPA Superfund PA/SI Cooperative Agreement	180,000	193,634
EPA Superfund Core	177,500	164,529
DOD DSMOA Program	344,303	216,021
Total HEER Office Federal Funding	1,490,520	1,223,460

EPA State Response Program Grant

The State of Hawai'i, Hazard Evaluation and Emergency Response Office (HEER) applied for and received the 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 funding for development of the state managed response program and generally addresses the assessment, cleanup, and redevelopment of brownfields sites and with actual or perceived contamination. The SRP grant will displace the existing Consolidated Superfund grant in Federal FY 2007. This grant also places a heavy emphasis on public information and public involvement in the clean up of contaminated sites.

EPA PA/SI Grant

Since October 1989, Hawai'i has entered into a Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreement (CA) with the EPA. A specificity for receiving the PA/SI partnership agreement between the State and the U.S. EPA Region 9 is: *The PA/SI funds, consisting of \$180,000, should be utilized for only those costs associated with continuing the Federal PA/SI Program in the State.*

EPA Superfund Core Grant

HEER Office Superfund Core grant funds are utilized for the state response program development. The Core program provides for non-specific activities to develop and enhance the base capabilities of State cleanup programs, promote meaningful participation in Superfund implementation, and build State program capabilities to meet CERCLA response requirements. In 2006, the EPA terminated Superfund grant funding for most states. Beginning in federal FY 2007 (October 1, 2006) the state will no longer receive funding under this grant.

DOD/State Memorandum of Agreement Grant

The Department of Defense/State Memorandum of Agreement (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). A two-year Cooperative Agreement (CA) application was submitted in April 2004 and an approval was received to obtain reimbursement funding to cover FY 2005 and FY 2006 costs incurred by Hawai'i in the DSMOA Program. The DSMOA funds are given to the State based on the State's request for advanced or reimbursement payment. If there is need for additional funding the Cooperative Agreement allows for the renegotiation for increased funding.

2.5.3 Emergency Preparedness and Response (EP&R) Activity

The HEER Office performs Emergency Preparedness and Response (EP&R) activities that supports planning, preparing, and responding to hazardous substance releases which may cause an immediate and substantial threat to human health or the environment. The EP&R preparedness and field operations programs are managed within HEER Office by the EP&R Supervisor and four designated State On-Scene Coordinators (SOSCs).

In order to develop capabilities for responding to acts of terrorism the SOSCs are now more involved with coordinating efforts with County HAZMAT units, and other State and Federal agencies. SOSCs are training with County Fire HAZMAT teams, the 93rd Weapons of Mass Destruction (WMD) Civil Support Team (CST) of the Hawai'i National Guard, and the State Department of Defense. The SOSCs also work closely with the State DOH Laboratory Division and University of Hawai'i Laboratory to strengthen our capability to deal with acts of terrorism.

The following list summarizes the activities managed to support emergency preparedness and response to chemical release emergencies.

- Works closely with State Civil Defense, first responders, and other Federal, State, County, and local agencies to strengthen the State's ability to respond to public health and environmental health emergencies.

- The EP&R State On-Scene Coordinators (SOSCs) have the authority to act on behalf of the State for the Governor as mandated in Chapter 128D (Environmental Response Law) to bring about expedient and effective response to protect human health and the environment. The SOSCs are trained to enter hazardous atmospheres in self-containing breathing apparatus and various types of personal protective equipment. SOSCs are assigned as a Duty Officers to take calls after hours, on weekends, and holidays and are on 24-hour call as back-up personnel to first responder County HAZMAT teams.
- Provide administrative support to the Hawai`i State Emergency Response Commission (HSERC), and technical assistance to the Local Emergency Planning Committee's (LEPCs) on Hawai`i, Oahu, Kauai, and Maui for coordination of statewide planning activities to prepare for and respond to chemical and oil spills in the environment.
- Assesses Tier II reports submitted annually and collects the fees that are then deposited into the ERRF. Chapter 128E, HRS, Hawai`i Emergency Planning and Community Right-To-Know Act (HEPCRA), requires that an owner or operator of a facility that stores, uses, or manufactures any hazardous substance, or extremely hazardous substance, above defined thresholds to file a notification of such "Tier II" activity and to pay a filing fee.

EMERGENCY PREPAREDNESS TRAINING

The HEER Office works closely with State Civil Defense, first responders, and other Federal, State, County, and local agencies to strengthen the State's ability to respond to public health and environmental health emergencies. The HEER Office also coordinates statewide planning activities to prepare for and respond to chemical and oil spills in the environment.

HEER SOSCs have also initiated a Level A suit drill series with CST, Fire Hazmat, DOH Noise and Radiation, Fed Fire, AG Office investigators to do tactical drills together at venues known to HEER through the normal course of work. The HEER On-Scene Coordinators (SOSCs) developed a semi-annual Multi-Agency Level A (fully encapsulating protective suits) training course. The training was developed for all first responders to familiarize each other and their respective operating procedures through interaction while conducting Level A response activities.

Preparedness training for emergency response actions is a vital community effort involving federal, state, and local agencies and commissions, and private industry. The Emergency Preparedness and Response (EP&R) Section of the HEER Office, in partnership with the U.S. Coast Guard, EPA, and industry, continued to play an active role in designing, planning, and conducting a wide range of oil and hazardous materials (HAZMAT) training and preparedness training exercises for emergency response actions.

Preparedness exercises are designed to work as a Unified Command System (UCS) that is modeled from nationally recognized UCS protocols. The UCS approach brings the DOH, U.S. Coast Guard, and representatives of the party responsible for the pollution, together for effective decision-making that serves the particular best interests of each participating party during an emergency response action. In the UCS, either the U.S. Coast Guard Captain of Port, or an Environmental Protection Agency (EPA) OSC is the designated Federal On-Scene Coordinator (FOSC) by presidential directive, and can thereby provide the State with Federal monetary and technical resources necessary for oil related or hazardous substance related emergencies of national priority.

EMERGENCY RESPONSE ACTIONS

The HEER Office Emergency Preparedness and Response (EP&R) 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 are trained to enter hazardous atmospheres in self-containing breathing apparatus and various types of personal protective equipment. SOSCs are on 24-hour call as back-up personnel to first responder County HAZMAT teams.

The State works hand-in-hand with the FOSC once a Unified Command System (UCS) has been initiated. The State On-Scene Coordinators (SOSCs) are instrumental in making determinations necessary to address priority issues concerning the State of Hawai`i.

2.5.4 Non-Emergency Site Discovery, Assessment, and Remediation Activity

The HEER Office has oversight responsibility for all sites identified through the spill/release notification system after an initial emergency response activity is completed. The office provides project management overview for response and/or remediation activities being performed on State listed and sites, and also oversight services to the Department of Defense (DOD) installations and Formerly Used Defense Sites (FUDS).

The State Remedial Project Managers (RPMs) within HEER Office are responsible for assessing the near and long-term relative threat of sites contaminated with hazardous substances and for the oversight and implementation of response actions at over 500 sites with suspected and confirmed releases of hazardous substances, including petroleum.

For non-emergency response on State Listed sites, HEER Office is developing and managing two state led programs. The Hawai`i Voluntary Response Program (VRP) and Brownfields Program are operating programs with developing capabilities for encouraging and facilitating the assessment, clean up, and redevelopment of contaminated property. These two programs complement and operate collaboratively with the national U.S. EPA Brownfields Program. The State VRP and Brownfields programs are developed using HEER Office federal grants.

The following list summarizes the activities conducted by the RPMs.

- Conducts Site Discovery that identifies new sites under State of Hawai`i jurisdiction that are contaminated or potentially contaminated. The majority of work to date has been accomplished through the federally supported PA/SI program and through the HEER Office Notification process. The focus of the PA/SI work has been on former sugarcane facilities;
- Completes Preliminary Assessments (PA) and Site Inspections (SI) are necessary to determine which sites have the potential to be listed on the Superfund National Priority List (NPL). The PA/SI process also identifies highly contaminated sites that require high priority cleanups under Chapter 128D;
- Prioritizes assessment and cleanup activities overseen by the HEER office assures the best use of state resources, so that the sites with the greatest potential risk to human health and the environment receive evaluation and oversight first;

- Oversees Site Investigations. State and Federal law provide that responsible parties conduct site investigations to evaluate and characterize the nature and extent of contamination. State oversight is necessary to ensure that the environmental work meets the requirements of the law and result in remediation required to protect human health and the environment;
- Oversees Remediation by responsible parties (RPs) who are to ensure that hazardous materials and contaminated sites are cleaned-up in a timely manner that is protective of human health and the environment;
- Implements Hawai`i Voluntary Response Program (Chapter 128D Part II, HRS), which is aimed at facilitating the voluntary cleanup of contaminated property by interested purchasers. The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties. Under the law, 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.
- Brownfields Program – DOH has an important role assisting State and private development efforts on sites that have low contamination and high potential for commercial development and overseeing that the cleanup meets State laws. Many opportunities exist to expand brownfield project activities in FY 2007-09 if staffing resources are provided.
- Oversees investigation and cleanup of active military sites and Formerly Used Defense Sites (FUDS) throughout Hawai`i to provide coordination and consistency in cleanup efforts.

2.5.4.1 Brownfields Revitalization Program

HEER Office is actively engaged in developing a Hawai`i Brownfields Economic Redevelopment Initiative to complement the National Brownfields Program sponsored by the U.S. Environmental Protection Agency (EPA). The brownfields activities are supported in part by the EPA State Response Program (SRP) grant to the HEER Office under the Small Business Liability Relief and Brownfields Revitalization Act of 2002. In this regard, the HEER Office works in partnership with the Office of Planning (OP) in the Department of Business, Economic Development and Tourism (DBEDT) and closely with the U.S. EPA Region 9 to do the following:

- Implementing the Hawai`i Voluntary Response Program (Chapter 128D Part II, HRS), which is aimed at facilitating the voluntary cleanup of contaminated property by interested purchasers.
- Performing brownfields environmental site assessments at properties for other state and county agencies throughout Hawai`i.
- Providing technical assistance and guidance to brownfields developers regarding cleanup options and compliance with environmental laws.
- Encouraging and supporting state and county agencies in applying for U.S. EPA competitive brownfields grants.

- Providing technical oversight of cleanup projects funded through the Hawai'i Brownfields Cleanup Revolving Loan Fund that was created by a grant from U.S. EPA to the DBEDT Office of Planning.
- Working closely with DBEDT Office of Planning and county agencies to build a statewide inventory of brownfields for future cleanup and redevelopment.

The Brownfields Program continues to develop as EPA funding and activities increase throughout the State. The goal of the Program is to facilitate the assessment, cleanup, and redevelopment of brownfields properties. These are properties that are abandoned or underutilized due to real or perceived environmental issues associated with the property. With support from EPA, the State and counties are working to identify the inventory of brownfields, focusing priority attention on those sites with the highest potential for successful redevelopment.

2.5.4.2 Voluntary Response Program

The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties. Under the state law, 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.

Under the State VRP program, each site accepted into the program is required to deposit \$5,000 into the ERRF and maintain a balance of no less than \$1,000 in order to fund the DOH personnel providing oversight. This requires the State to track deposits and expenditures individually for each site accepted into the program for voluntary response and/or cleanup. The site specific/project specific Voluntary Response Agreement with the State provides the participating parties with technical advice based on the latest technologies and a one on one working relationship with the project manager overseeing the cleanup actions.

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

The Preliminary Assessment/Site Inspection (PA/SI) Program within the HEER Office provides the basis for discovery, identification, and assessment for any contamination that has occurred at a Comprehensive Environmental Response Compensation and Liability Act (CERCLA) site in the state of Hawai'i. The program's activities are supported by cooperative agreement within the EPA CERCLA Superfund program, and are consequently closely coordinated with the EPA.

2.5.4.4 Department of Defense State Memorandum of Agreement (DSMOA) Program

The Department of Defense/State Memorandum of Agreement (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).

2.5.4.5 Formerly Used Defense Sites (FUDS) Program

The Formerly Used Defense Sites (FUDS) Program funded by DSMOA is a national undertaking to identify hazardous-materials-contaminated properties which were formerly owned, leased, possessed, or operated by the Department of Defense (DOD) or its contractors prior to 1986, and which are no longer under the control of DOD (i.e., the land is public or privately owned). The inventory or properties are being evaluated for risk, and the properties will be cleaned up.

The Army is the executive agent for the FUDS Program and the US Army Corps of Engineers (USACE) is the operational segment that manages and executes the Program. The U.S. EPA under various environmental statutes (CERCLA, Resource Conservation and Recovery Act (RCRA), Safe Drinking Water Act (SDWA) may become involved in reviewing, compelling, or undertaking cleanups when imminent and substantial endangerment of the public health and the environment is threatened. However, regulatory authority for the FUDS program lies with the State, Territory, or Commonwealth via the DSMOA Cooperative Agreement. Various other agencies may also have jurisdictional interests in the Program: Federal land and resource managers, health risk managers, and State, Territorial, and tribal agencies.

Community involvement in the process is important. Nationally there are over 9,000 FUDS properties; within Region 9 there are more than 2,000 of these, and of that number, about 600 are within the Pacific Ocean Division (POD), which includes the State of Hawai`i. At the close of state FY 2006 there were 377 eligible FUDS Properties in Hawai`i.

2.5.5 Hazard Evaluation of Ecological and Human Health Risk Assessment

The HEER Office 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. In FY2006, the staff provided risk assessment support and responded to a diversity of inquiries concerning potential health hazards. These inquiries included questions regarding heavy metals (e.g., mercury, lead, arsenic), pesticides, indoor and outdoor air pollutants (e.g., mildew, cleaners, paints), and other illnesses potentially related to the environment.

HEER continues to provide information on environmental problems in Hawai`i, the USA, and foreign countries to private citizens, businesses, schools, other State and local agencies, and Federal agencies, as well as directly to the Director of Health and the Deputy Director for Environmental Health.

The following list summarizes the activities conducted by members of the Hazard Evaluation Section.

- Conducts ecological risk assessment and review of ecological risk assessments.
- Conducts human health risk assessment.
- Defines policy for final cleanup of chemical contamination, Statewide.
- Actively engaged in public outreach efforts such as the arsenic investigation on former Hawai`i Island sugar mill and plantation properties, DOD technical and public involvement issues, Waimanalo Gulch Sanitary Landfill investigations and responses, and site-specific public participation.

- The following is a list of example studies and projects areas for FY 2006.
 - VOG Health Assessment Study, An Assessment of the Health Effects from Exposure to Volcanic Emissions Study (formerly: Hilo Asthma Pilot Study)
 - Big Island Bio-aerosol Study (BIBS)
 - Volcanic Emissions and Airway function, Inflammation, heart Rhythm (AIR) Study
 - Reporting of Pesticides & Heavy Metal Poisonings
 - Environmental Screening Levels Document publication and training, Statewide
 - Kea`au Arsenic Exposure Investigation, Hawai`i
 - Wolmanized lumber treated with Chromium Copper Arsenate (CCA)
 - Metallic lead in upcountry Maui drinking water
 - Possible chemical air pollution affecting residents in Keaukaha, Hilo, Hawai`i
 - Mold in indoor environments, Statewide
 - Protests against roadside weed killing, Kauai
 - Air quality at Campbell Industrial Park, Oahu
 - Sale of Ironite fertilizer in Hawai`i, Statewide
 - PVT landfill Human Health Risk Study, Oahu
 - West Nile Virus (WNV) team activities

2.6 Environmental Management Division Budget and Expenditure Summary

TABLE 4 EMD ERRF BUDGET AND EXPENDITURE

	Budget FY 2006	Allocated FY 2006	Expenditure FY 2006
EMD-HTH 840-FE			
A Funds			
1 Data Processing System Analyst V, SR 24	54,997	54,997	0
Total EMD ERRF Budget and Expenditure	54,997	54,997	0

The ERRF funds the Data Processing Systems Analyst computer network manager position for the Environmental Management Division (EMD). The network manager supports and maintains the Local Area Network/Wide Area Network (LAN/WAN) connections for the division. Responsibilities of this position include providing a reliable daily backup, ensuring users have access to their data files, and providing email and internet connectivity. The network manager is also working to improve and upgrade network servers and connections. These projects include the Environmental Health Administration's One Stop project, the Clean Water Branch (CWB) Water Quality web application project, and the Clean Air Branch (CAB) database project.

2.7 Clean Water Branch Budget and Expenditure Summary**TABLE 5 CWB ERRF BUDGET AND EXPENDITURE**

	<u>Budget FY 2006</u>	<u>Allocated FY 2006</u>	<u>Expenditure FY 2006</u>
CWB-HTH 840-FG			
A Funds			
1 Data Processing System Analyst V, SR 24			
<u>1 Env. Health Specialist IV, SR 22</u>			
2	107,573	107,573	123,111
B Funds	160,000	160,000	150,070
C Funds	<u>5,000</u>	<u>5,000</u>	<u>0</u>
Total CWB ERRF Budget and Expenditure	272,573	272,573	273,181

The ERRF provides support for the following activities within the Clean Water Branch (CWB).

The above funding covers an Environmental Health Specialist (EHS) position and a Data Processing Systems Analyst IV (DPSA) position for the CWB. The tasking for the EHS position insures that 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 DPSA performs tasks to integrate various federally required data systems, and provide technical support to the CWB staff in the areas of data recording and reporting.

The Legislature continued funding of the separate \$150,000 Hawai'i Association of Conservation Districts (HACD) contract funds to support three Conservation Specialists (CS) positions on the neighbor islands and Oahu. These positions assist the CWB's Polluted Runoff Control (PRC) program by providing technical assistance and oversight in the control of non-point source pollution resulting from activities in areas such as agriculture, urban, commercial, boating, and dealing with the general public.

FY 2006 funds have been used to extend the HACD contract for the Conservation Specialists on Oahu, Kauai and Waimea.

2.8 Safe Drinking Water Branch Budget and Expenditure Summary

TABLE 6 SDWB ERRF BUDGET AND EXPENDITURE

	<u>Budget FY 2006</u>	<u>Allocated FY 2006</u>	<u>Expenditure FY 2006</u>
SDWB-HTH 840-FH			
A Funds			
3 Env. Engineer IV, SR 24			
1 Env. Health Specialist III, SR 20			
2 Clerk Typist II, SR 08			
1 Underground Injection Control Geologist II, SR 28			
2 Underground Injection Control Geologist I, SR 24			
1 Underground Injection Control Clerk, SR 08			
<u>1 Data Processing System Analyst V, SR 24</u>			
11	<u>587,020</u>	<u>599,398</u>	<u>608,684</u>
B Funds	<u>154,993</u>	<u>154,993</u>	<u>21,538</u>
Total SDWB ERRF Budget and Expenditure	742,013	754,391	630,222

The ERRF continued to support Safe Drinking Water Branch personnel and activities related to the protection of public health and drinking water quality through many activities during FY 2006. These funds support activities that have both direct and indirect drinking water protection benefits.

2.8.1 Lead and Copper Rule Administration

Lead and copper concentrations in Hawai'i's drinking water are regulated under state implementation of the Federal Lead and Copper Rule. Administration of this rule is one of the responsibilities of the Safe Drinking Water Branch staff supported by the Environmental Response Revolving Fund (ERRF). The Rule requires drinking water systems to collect and analyze "first draw" water samples from kitchen or bathroom cold water taps in homes most likely to have elevated levels of lead or copper. Typically, these homes were built before 1982 with copper pipes and lead solder.

Exceeding the lead or copper action level requires the water system to propose a corrosion control treatment recommendation to the Safe Drinking Water Branch. There are currently 12 water systems in the State that have had to implement corrosion control treatment to reduce the lead and copper concentration in tap water below the action levels. The Safe Drinking Water Branch anticipates other water systems will require corrosion control treatment as surface water sources are developed.

Throughout FY 2006, all public water systems in the state had lead and copper concentrations in the tap water below the lead and copper action levels.

2.8.2 Development and Maintenance of Disinfectant/Disinfection By-Products Rule and Interim Enhanced Surface Water Treatment Rule

The ERRF supports a staff person who was originally responsible for administration of the Surface Water Treatment Rule which was promulgated by EPA in 1991. This rule imposed treatment, monitoring, and reporting requirements on surface water systems for the removal or control of several microorganisms. Since that time, EPA has become aware of and concerned with additional microorganisms, which are more difficult to filter and are more resistant to conventional disinfectants. In response, they have promulgated more stringent requirements for surface water systems in the form of the Interim Enhanced Surface Water Treatment Rule, Long Term 1 Enhanced Surface Water Treatment Rule, and the Long Term 2 Enhanced Surface Water Treatment Rule (proposed 8/11/03).

At the same time, EPA has recognized that the addition of disinfectants to water (primarily surface waters), which have “precursors”, can generate by-products. Some of these by-products are thought to be harmful. In response, EPA has generated the Stage 1 and Stage 2 Disinfectant/Disinfection By-Products Rules that seek to limit the concentration of disinfectants added to drinking water as well as limit the presence of disinfections by-products in the water.

The Disinfection/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.

The rule package for the LT1 ESWTR and the Filter Backwash Recycling Rule (FBRR) was completed and submitted to the U.S. Environmental Protection Agency in January 2006. The primacy rule package for the Long Term 2 Enhanced Surface Water Treatment Rule and Stage 2 Disinfectants/Disinfection By-Products Rule are currently under development and expected to be submitted to the U.S. Environmental Protection Agency in 2007. Early implementation for these two rules is already underway in 2006.

2.8.3 Protection of Existing and Potential Underground Sources of Drinking Water (Hawai'i Underground Injection Control Program)

The Hawai'i Underground Injection Control (UIC) Program is directly responsible for protecting existing and future underground sources of drinking water (USDW) from contamination by underground injection of waste fluids.

The ERRF currently supports a staff of three geologists and one clerk-typist who administer the entire program for over 800 facilities statewide. Each facility may involve multiple injection wells. Injection wells support many vital facilities, for example, municipal and private wastewater treatment plants, energy generation facilities, and storm water runoff control. In addition to protection of underground sources of drinking water and the environment, the UIC program makes underground injection possible as a wastewater disposal alternative in lieu of ocean outfalls.

2.8.4 Certification of Operators of Public Water Systems

One way of protecting drinking water is to ensure that staff operating the public water systems has sufficient training to do their duties properly. Hawai'i's program consists of a five-member Board of Certification, appointed by the Governor, which meets to set policy, act on all applications for certification, assign continuing education units to training events, and more. The ERRF supports a staff of two, an environmental engineer and a clerk-typist. 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.

At the end of FY 2006, the program had 186 certified water treatment plant operators and 472 certified distribution system operators. Some operators maintain dual certifications.

2.8.5 Assistance to Owners and Users of Rain-Water Catchments Systems

Act 218 of 1997 authorizes the use of ERRF monies to administer a subsidized lead and copper testing program and to lend technical assistance to owners and users of rainwater catchments systems. The responsibility for this act is vested with the Safe Drinking Water Branch in recognition of the need by many users of catchments for additional information concerning water quality and proper maintenance of the catchments. This measure sought to provide assistance without the imposition of regulations which were recognized as being expensive, and most probably insufficient given the wide range of building materials, paints, and coatings used to collect rainwater.

During 2006, the Safe Drinking Water Branch 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.

Another one of the ways in which the Safe Drinking Water Branch provides technical assistance to rainwater catchments users is to assist in the printing of the College of Tropical Agriculture and Human Resources brochure "Guidelines for Users of Rainwater Catchments Systems for Hawai'i".

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 before approvals to operate the systems are granted, new water systems must demonstrate technical, managerial, and financial capacity. The Act also required States to develop a strategic plan to identify and prioritize those existing water systems most in need of assistance and to improve the technical, managerial, and financial (TMF) capacity of existing public water systems.

The Safe Drinking Water Act also requires states to develop a strategic plan to identify and prioritize those existing water systems most in need of assistance and to improve the technical, managerial, and financial (TMF) capacity of existing public water systems.

EXISTING WATER SYSTEMS IDENTIFIED AND PRIORITIZED FOR IMPROVEMENT

State's initial strategic capacity improvement plan provides for Safe Drinking Water Branch assistance to improve the technical, managerial, and financial (TMF) capacity of the five water systems identified as most in need of improvement. The Safe Drinking Water Branch provided assistance training to water system management and operations aware of their system's shortcomings. However, because most of the systems were financially strapped, substantial improvements to the infrastructure could not be implemented.

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 entered into a five-year contract with a non-profit organization to implement the circuit rider program in October 2004. The circuit rider visits small privately owned water systems to provide 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.

The program has shown positive results. The Safe Drinking Water Branch staff noted improvements 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 University of Hawai`i's Outreach College to develop and implement a long-term continuing educational training program for drinking water system operators throughout the state so water system operators may maintain their certification. During FY 2006, the University of Hawai`i provided at least one continuing education credit (CEU) on Kauai, Oahu, Maui, Molokai, and Hawai`i. Additional training is being scheduled for the major islands and Lanai in FY 2007.

2.8.6 Safe Drinking Water Information System (SDWIS/State)

The Hawai`i State Legislature authorized the support of a Data Processing Systems Analyst position (now known as an Information Technology Specialist) for the Safe Drinking Water Branch. This authorization was in response to a number of audits and program assessments recommending that the program was in need of improving its data management. In addition, the U.S. Environmental Protection Agency had developed a new data management software known as the Safe Drinking Water Information System. Lacking the technical expertise, the Safe Drinking Water Branch was unable to take advantage of the availability of this new data management system.

While originally meant to generate Environmental Protection Agency reports, the system has evolved in an attempt to help State drinking water programs manage the information necessary to supervise public water systems. The Safe Drinking Water Information System houses three major categories of information: inventory, sampling, and monitoring. Inventory data include information on individual drinking water systems such as the system location, size, and population served. Sampling data include lab results for chemical, microbiological, and radiological contaminants regulated by the U.S. Environmental Protection Agency and the state. Monitoring information contains the schedule for sampling required under each U.S. Environmental Protection Agency rule. By comparing the monitoring

schedules to the sampling data, the system can make simple, automated non-compliance determinations for the Total Coliform Rule. Eventually, the U.S. Environmental Protection Agency hopes to update the software periodically to add new capabilities, such as non-compliance determinations for other drinking water rules.

The Safe Drinking Water Branch Information Technology Specialist is assigned the task of preparing the Safe Drinking Water Branch for the adoption of the Safe Drinking Water Information System/State, version 8. Over the past few months, the Information Technology Specialist has been able to educate himself on the drinking water program and its data management and reporting needs, and migrated the inventory and compliance data into the system.

2.9 Solid and Hazardous Waste Branch Budget and Expenditure Summary

TABLE 7 SHWB ERRF BUDGET AND EXPENDITURE

	<u>Budget FY 2006</u>	<u>Allocated FY 2006</u>	<u>Expenditure FY 2006</u>
SHWB-HTH 840-FJ			
A Funds			
1 Env. Engineer IV, SR 24 (SW)			
2 Env. Health Specialist IV, SR 22 (HW)			
1 Geologist I, SR 24 (LUST)			
1 Env. Health Specialist IV, SR 22 (LUST)			
1 Env. Health Specialist III, SR 20 (LUST)			
1 Env. Health Specialist IV, SR 22 (UST)			
2 Env. Health Specialist III, SR 20 (UST)			
1 Clerk Typist II, SR 08 (UST)			
<u>10</u>	<u>532,193</u>	<u>545,854</u>	<u>491,694</u>
B Funds	<u>15,000</u>	<u>15,000</u>	<u>0</u>
Total SHWB ERRF Budget and Expenditure	547,193	560,854	491,694

The Environmental Response Revolving Fund provides support for the following program activities within the Solid and Hazardous Waste Branch (SHWB):

2.9.1 Used Oil Management and Recycling

The EHS IV Permit Writer, who is supported by the oil fund, provides oversight of contaminated facilities undergoing ground water monitoring (Chevron Refinery, Tesoro Refinery, Hawai`ian Western Steel and Chemwood). The number of new used oil permits applications received by the Department average between 3-4 per year. Renewal of expiring permits is ongoing. Non-permitted used oil handlers are usually identified through complaints and during hazardous waste inspections.

2.9.2 Special Waste Management

The Special Waste permitting engineer is responsible for permitting and monitoring activities over a wide range of special waste management facilities including 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 35 permitted entities, which deal directly or indirectly with oil related issues.

2.9.3 Management of Leaking Underground Storage Tank (LUST) Sites.

The SHWB total number of active Leaking Underground Storage Tank (LUST) sites is 264. The EHS III has an active caseload of 70 LUST sites at this time and provides project oversight to all remedial efforts of his cases. The EHS IV provides team unit leadership for four other EHS III staff. The EHS IV also works on additional active LUST sites.

2.9.4 Inspection of Underground Storage Tank Facilities

The EHS IV (currently vacant) would review and issue permits for the installation and operation of new USTs at regulated UST facilities. This position provides team unit leadership for four other EHS III staff. The EHS IV would track and review the daily work activities of the EHS IIIs, maintained the database for the UST Section and was the Safety Coordinator for the Solid and Hazardous Waste Branch.

The EHS IIIs continues to conduct 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 tradition 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.

The UST EHS IIIs and EHS IV also provide assistance to consultants and contractors who request and review UST facilities files. Timely review of facility files assists the banking, real estate, and petroleum industry to complete transactions involving the sale or return of properties that were affected by petroleum releases.

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3 128E, HRS REPORT ON HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT-TO KNOW ACT (HEPCRA) TIER II FILING FEE

3.1 Hawai`i Emergency Planning and Community Right-To-Know Act (HEPCRA) Preparedness

Chapter 128E, HRS, Hawai`i Emergency Planning and Community Right-To-Know Act (HEPCRA), requires the DOH to submit to the legislature an annual report on the amount of Tier II filing fees collected annually for use by the Local Emergency Planning Committees (LEPCs) and deposited into the Environmental Response Revolving Fund (ERRF) during the fiscal year, the amount collected to date, and the amount to be collected in FY 2007.

3.2 Hawai`i Emergency Planning and Community Right-To-Know Act (HEPCRA) Preparedness Tier II Filing Fees Report to Legislature

Table 8 summarizes the amount of Tier II filing fees collected and deposited into the Environmental Response Revolving Fund (ERRF) from FY 2004 to 2006, the amount collected to date for FY 2007, and the amount distributed to the Local Emergency Planning Committees (LEPCs) for FY 2006.

The deadline for owners and operators of facilities submitting HEPCRA Tier II filing fees for calendar year 2005 is March 1, 2006 (FY 2006). Commonly, a greater amount of the filing fees collected by the HEER Office are submitted in February, just prior to the collection due date.

The Tier II filing fees have been, or are being distributed as noted below to the Local Emergency Planning Committees, after deductions for the Hawai`i State Emergency Response Commission (HSERC) operating expenses.

The amount available for distribution to the LEPCs is based on the amount collected in fees two years prior to the distribution year. The Tier II funds collected during FY 2004 were disbursed to each LEPC for FY 2006 operational expenses in the following manner: a base of \$3,000 and the balance on the percentage of Tier II funds collected in each emergency planning district for the 2004 calendar year.

Fees collected for fiscal years 2007 and 2008 are likely to increase because of the increased number of Tier II inspections on all Hawai`ian Islands. So far, quite a few Tier II non-filers have been discovered on Oahu, Maui and Kauai. The Big Island inspections may take place sometime at the end of this year or the early part of next year.

The following table presents the distribution to the nearest dollar.

TABLE 8 HEPCRA TIER II FILING FEES

Tier II Filing Fees	Collected	Distributed
FY 2004	67,100	66,947
FY 2005	67,600	58,815
FY 2006	61,821	67,400
FY 2007 (July 1, 2006 through Sept 30, 2006)	7,200	

Tier II Filing Fees Available to HSERC for FY 2006

Tier II funds to LEPCs		45,880
To attend LEPC Meetings		5,832
HazMat Explo9 2005*		2,030
NASTTPO Convention in Little Rock, AR		2,906
20% match* for the HMEP Planning Grant (based on grant amount of \$43,006)		10,752
		67,400
	Total	67,400

Funds Distributed to LEPCs for FY 2006

Honolulu		18,165
Hawai`i		11,772
Maui		8,966
Kauai		6,978
	Total	45,881

* Reimbursement by the Hazardous Materials Emergency Preparedness (HMEP) Planning Grant if funds are available after 20% soft match.

3.3 Hawai`i State Emergency Response Commission

Chapter 128E, HRS, Hawai`i Emergency Planning and Community Right-To-Know Act (HEPCRA), establishes the Hawai`i State Emergency Response Commission (HSERC). This commission carries out

the duties and responsibilities for a state emergency response commission as specified in the federal Emergency Planning and Community Right-To-Know Act (EPCRA) Title 40 CFR, Part 370 of 1986. Under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 301(a), Establishment of State Emergency Response Commissions, the Governor has the authority to appoint the HSERC members.

The HSERC develops state contingency plans, appoints the members of the Local Emergency Planning Committees (LEPCs) for each county, supervises, coordinates, and provides staff support to the committees, and is responsible for developing the program for the state chemical inventory modeled from the federal Tier II chemical inventory reporting program.

The HSERC, vice-chaired by the DOH Deputy Director for Environmental Health, establishes policy for statewide emergency response, reviews Local Emergency Planning Committee (LEPC) Emergency Response Plans, and develops statewide response plans.

The Hazard Evaluation and Emergency Response (HEER) Office provides administrative support to the Hawai'i State Emergency Response Commission (HSERC), and technical assistance to the Local Emergency Planning Committee's (LEPCs) on Hawai'i, Oahu, Kauai, and Maui.

3.4 Local Emergency Planning Committee

Local Emergency Planning Committee's (LEPCs) are located on Hawai'i, Oahu, Kauai, and Maui. LEPCs are subject to the requirements of section 303 of the federal EPCRA and take appropriate actions to ensure the preparation, implementation, and annual updates and review of the local emergency response plans.

3.5 Hawai'i Emergency Planning and Community Right-To-Know Act Tier II Filing Fees

Chapter 128E, HRS, Hawai'i Emergency Planning and Community Right-To-Know Act (HEPCRA), requires that an owner or operator of a facility that stores, uses, or manufactures any hazardous substance, or extremely hazardous substance, above defined thresholds to file a notification of such "Tier II" activity and to pay a filing fee. The HEER Office collects the fees that are then deposited into the ERRF.

The HEER Office collects and assesses Tier II reports submitted annually by all businesses that handle large volumes of hazardous chemicals and extremely hazardous substances, as required by Chapter 128E, HRS: Hawai'i Emergency Planning and Community Right-to-Know Act (HEPCRA).

Facilities covered by HEPCRA must submit an emergency and hazardous chemical inventory Tier II form to the HEER Office annually. Tier II forms require basic facility identification information, employee contact information for both emergencies and non-emergencies, and information about chemicals stored or used at the facility such as the chemical name or the common name as indicated on the MSDS; an estimate of the maximum amount of the chemical present at any time during the preceding calendar year and the average daily amount, a brief description of the manner of storage of the chemical, the location of the chemical at the facility; and an indication of whether the owner of the facility elects to withhold location information from disclosure to the public.

There are over 100 chemicals that are designated as both a State hazardous substance and a HEPCRA extremely hazardous substance. In the event of a release of any of these substances, the person responsible for the release is required to contact all of the appropriate federal, state, and local authorities. Specifically, the owner or operator of a facility where there is a release of a hazardous substance or an extremely hazardous substance in an amount greater than its established reportable quantity (RQ), must notify the State Dept of Health, HSERC, and LEPCs.

3.6 Local Emergency Response Planning Committee's Account

Chapter 128E, HRS, Hawai'i Emergency Planning and Community Right-To-Know Act (HEPCRA), requires that the DOH establish an account called the local emergency response planning committees' account within the ERRF for the purpose of administration and oversight of the HEPCRA. The account is managed by the Hawai'i State Emergency Response Commission (HSERC).

APPENDIX A
DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH ADMINISTRATION
HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE
STATE PRIORITY LIST
AND
LIST OF ELIGIBLE CERCLA SITES

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STATE PRIORITY LIST OF SITES

Chapter 128D, HRS, Environmental Response Law, Section 7, HRS mandates that a State Priority List of Sites be published annually listing the sites with potential or known hazardous substances or pollutants or contaminants.

The summary data and the State Priority List presented in this Appendix includes all Hawai`i sites identified for non-emergency response actions during FY 2006. Each site may be managed within the Hazard Evaluation and Emergency Response (HEER) Office under one of four programs. They are the (1) Hawai`i Response Program, (2) Hawai`i Brownfields Revitalization Program, (3) Hawai`i Voluntary Response Program, and (4) EPA CERCLA Preliminary Assessment/Site Inspection (PA/SI) Program Cooperative Agreement. Over time and depending upon eligibility, funding, and level of responsible party participation, a site may be managed within HEER Office under one or more programs starting with the site assessment phase and if required by the State, through to cleanup completion. The List of Sites is sorted in order by island, locality, and the facility/site name.

Sites and activities managed by the military and funded by the Department of Defense/State Memorandum of Agreement are not included on the State Priority List.

The list of Hawai`i sites managed within the HEER Office Site Discovery Assessment (SDAR) Section shows 394 active sites required non-emergency assessment and/or response actions for potential or know hazardous chemical contamination. During FY 2006 the section's Remedial Project Managers (RPMs) completed 41 site related projects, including 22 site assessments, 6 removal actions, 2 remedial actions, and 10 Unregulated Storage Tank (UST) closures. SDAR RPMs also reviewed records for 23 sites and made recommendations for either a next-phase follow-on activity or no further follow-on action for the sites.

The following list presents the number of sites, and completed FY 2006 assessment and cleanup projects for each of the four programs.

	Number of Active Sites	Number of Completed Assessment Projects	Number of Completed Cleanup Projects
Hawai`i Response Program	341	15	18
Hawai`i Brownfields Program	18	2	0
Hawai`i Voluntary Response Program	17	1	1
EPA Preliminary Assessment Cooperative Agreement Program	18	4	N/A
TOTAL	394	22	19

HAWAI`I RESPONSE PROGRAM PROJECT SUMMARY

During FY 2006 there were 341 active Hawai`i Response Program sites managed by HEER Office Remedial Project Managers (RPMs). The following is a list of the completed FY 2006 projects managed under the Hawai`i Response Program.

Number of Active Sites	Number of Completed Assessment Projects	Number of Completed Cleanup Projects
341	15	18

List of Completed Hawai`i Response Program Projects

- 1) Hawai`i Canada France Hawai`i Telescope Observatory Assessment Complete/O&M Required
- 2) Hawaii Alii Linen Service Kuakini/Snow White Linen Removal Completed/No Further Action (NFA) - Unrestricted Use
- 3) Hawaii Duke's Downtown Chevron Service Station Unregulated UST No Further Action (NFA) Letter
- 4) Hawaii Excelsior Dairy Inc Unregulated UST No Further Action (NFA) Letter
- 5) Hawaii Kawaihae Ranch Weedone Release Assessment Completed/No Further Action (NFA) - Unrestricted Use
- 6) Hawaii Motorola Inc Iolehaehae Cinder Cone Diesel Generator Site Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
- 7) Kauai Marriott Waiohai Beach Club 2000 Gallon Diesel UST Unregulated UST No Further Action (NFA) Letter
- 8) Maui 1790 Mill Street Removal Completed/No Further Action (NFA) - Unrestricted Use
- 9) Maui Paia General Store Removal Completed/No Further Action (NFA) - Unrestricted Use
- 10) Maui Rex Tire and Supply Unregulated UST No Further Action (NFA) Letter
- 11) Oahu 1510 Frear St Unit A Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use

List of Completed Hawai`i Response Program Projects

12)	Oahu	Best Buy at Iwilei	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
13)	Oahu	Capitol Place Development Project	Removal Completed/No Further Action (NFA) - Unrestricted Use
14)	Oahu	Chevron USA Products Company Marketing Kapalama Terminal Southwest Parcel	Assessment Completed/No Further Action (NFA) Letter with Institutional Controls
15)	Oahu	Complete Auto Repair and Estimates Five Hydraulic Hoists Removed	Unregulated UST No Further Action (NFA) Letter
16)	Oahu	Hawai`ian Electric Co (HECO) Iwilei Tank Yard	Assessment Completed/No Further Action (NFA) Letter - Release ID 200509061122
17)	Oahu	Hawai`ian Electric Co (HECO) Mokuone Substation	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use for groundwater problem only
18)	Oahu	Hawai`ian Miso and Soy Co Ltd	Unregulated UST No Further Action (NFA) Letter
19)	Oahu	Imai Brothers Enterprises Kalakaua Transmission Inc	Assessment Completed/No Further Action (NFA) Letter with Institutional Controls
20)	Oahu	Kaimuki Pump Station	Unregulated UST No Further Action (NFA) Letter
21)	Oahu	Kalani and Hart and Mokuaea Street	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
22)	Oahu	Kaneohe Ranch	Unregulated UST No Further Action (NFA) Letter
23)	Oahu	Kapahulu Avenue Project Safeway at Former Love's Bakery	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
24)	Oahu	Kapalama Incinerator On-Site Contamination	Remediation Completed/No Further Action (NFA) Letter - Unrestricted Use
25)	Oahu	Keeki Lagoon Canoe Facility	Assessment Completed/Restricted Use Letter Issued

List of Completed Hawai'i Response Program Projects

26)	Oahu	Koolani Tower Project	Assessment Completed for Area 2 Under Building/No Further Action (NFA)
27)	Oahu	Palolo Substation	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
28)	Oahu	Prince Kuhio Hotel	Unregulated UST No Further Action (NFA) Letter
29)	Oahu	Queen Emmalani Tower	Remediation Completed/No Further Action (NFA) Letter with Institutional Controls
30)	Oahu	Schofield Barracks Schofield Barracks Buildings T-674 & T-675	Removal Completed/No Further Action (NFA) - Unrestricted Use
31)	Oahu	Sunset Beach Chevron	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
32)	Oahu	Von Hamm Textiles Inc	Assessment Completed/No Further Action (NFA) Letter with Institutional Controls
33)	Oahu	Waikiki Bazaar	Unregulated UST No Further Action (NFA) Letter

BROWNFIELDS REVITALIZATION PROGRAM PROJECT SUMMARY

During FY 2006 there were 19 active Brownfield sites managed by HEER Office Remedial Project Managers (RPMs). The following is a list of the completed FY 2006 Brownfields Program projects.

Number of Active Sites	Number of Completed Assessment Projects	Number of Completed Cleanup Projects
18	2	0

List of Completed Hawai'i Brownfields Program Projects

1)	Oahu	BIA Construction Training Center of the Pacific Brownfield Project	Assessment Completed/No Further Action (NFA) Letter - Unrestricted Use
2)	Hawaii	Keaau Affordable Housing Brownfield Project	Phase I Assessment Completed/Phase II Recommended

VOLUNTARY RESPONSE PROGRAM PROJECT SUMMARY

During FY 2006 there were 18 active VRP sites managed by HEER Office Remedial Project Managers (RPMs). The following is a list of the completed FY 2006 Hawai'i Voluntary Response Program projects.

Number of Active Sites	Number of Completed Assessment Projects	Number of Completed Cleanup Projects
17	1	1

List of Completed Hawai'i Voluntary Response Program Projects

- | | | | |
|----|------|--------------------------------|--|
| 1) | Oahu | Kahuku Sugar Mill VRP Project | Site Assessment Complete/Remedial Recommended |
| 2) | Oahu | Town Inn VRP 1200 College Walk | O&M Completed-Site Closed/No Further Action (NFA) - Unrestricted Use |

EPA PRELIMINARY ASSESSMENT/SITE INSPECTION COOPERATIVE AGREEMENT PROJECT SUMMARY

During FY 2006 there were 18 active PA/SI sites managed by HEER Office Remedial Project Managers (RPMs). The following is a list of the completed FY 2006 projects managed under the Preliminary Assessment/Site Inspection (PA/SI) Program.

Number of Active Sites	Number of Completed Assessment Projects	Number of Completed Cleanup Projects
18	4	N/A

List of Completed PA/SI Cooperative Agreement Projects

- | | | | |
|----|------|---|--|
| 1) | Maui | Hawaiian Commercial and Sugar Co at Paia/Paia Sugar Mill | Preliminary Assessment/Site Inspection Completed |
| 2) | Maui | Kanaha Pond Industrial West Site | Site Inspection Completed/Site Transferred to ACOE for follow-on remediation solution. |
| 3) | Maui | Kekaha Sugar Co Ltd at Kekaha Wood Treatment & Herbicide Mixing Plant | Site Inspection Completed/Remedial Recommended |
| 4) | Oahu | Waialua Sugar Co Inc Waialua Sugar Mill and Settling Ponds | Site Inspection Completed/Remedial Recommended for Ponds and Mill Sites |

HAWAII SITES ELIGIBLE UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

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.

- 1) Oahu- Del Monte, Kunia
- 2) Oahu Naval Computer and Telecommunication Area Master Station (NCTAMS)
- 3) Oahu Pearl Harbor Naval Complex

Sites that may be eligible for possible listing under CERCLA are listed below. The sites are being managed by the HEER Office Preliminary Assessment/Site Inspection (PA/SI) Program remedial project managers.

- 1) Hawaii Hamakua Sugar Co at Paauhau/Paauhau Seed Dipping Plant
- 2) Hawaii Hamakua Sugar Co at Paauhau/Paauhau Sugar Mill
- 3) Hawaii Hamakua Sugar Co at Paauilo/Paauilo Seed Dipping Plant
- 4) Hawaii Hamakua Sugar Co at Paauilo/Paauilo Sugar Mill
- 5) Hawaii Hamakua Sugar Co at Papaiko/Papaiko Sugar Mill
- 6) Hawaii Hamakua Sugar Co at Waipunalei/Waipunalei Seed Dipping Plant
- 7) Hawaii Ka'u Agribusiness at Pahala/Kau Sugar Mill
- 8) Hawaii Mauna Kea Agribusiness/Hakalau Seed Dipping Plant
- 9) Hawaii Puna Sugar Co LLC at Keaau/Puna Sugar Mill
- 10) Kauai Kauai Agricultural Research Center Agent Orange and Pesticide Sites
- 11) Kauai Lawai Valley Cannery
- 12) Kauai Lihue Plantation Co Ltd at Lihue/Lihue Sugar Plantation Combined Sites
- 13) Kauai McBryde Sugar Company/Koloa Sugar Mill
- 14) Maui Hawai'ian Commercial and Sugar Co at Paia/Paia Sugar Mill
- 15) Maui Kanaha Pond Industrial West Site
- 16) Oahu Oahu Plantation Poamoho Tract/Poamoho Rag Disposal Area
- 17) Oahu Waialua Sugar Co Inc./Waialua Sugar Mill and Settling Ponds

Department of Health
Hazard Evaluation and Emergency Response Office
State Priority List FY 2006

Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Baker	Baker Island Baker Island National Wildlife Refuge	State Site File Review	5/20/2004 Ongoing	Priority Low
Hawaii	Captain Cook Ataraxia Farms	State Site File Review	5/20/2004 Ongoing	
Hawaii	Haina Hamakua Sugar Co at Haina Haina Sugar Mill	State Site File Review (low)	12/12/1998 Ongoing	Priority Low
Hawaii	Hakalau Mauna Kea Agribusiness Hakalau Seed Dipping Plant	PA/SI PA1	12/20/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Hawi Hawaii Conference Foundation Hawi Property	State Site File Review	9/1/2005 Ongoing	
Hawaii	Hilo Alamo Rent A Car Hilo International Airport	State Site File Review	4/15/2005 Ongoing	
Hawaii	Hilo Aloha Petroleum Hilo Bulk Plant	State Site Site Assessment	9/27/2006 Ongoing	Priority Med
Hawaii	Hilo Big Island Asphalt Company, Inc.	State Site Site Assessment	9/27/2006 Ongoing	
Hawaii	Hilo Chevron USA Products Company Marketing Hilo Terminal	State Site File Review	5/19/2004 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Hilo Duke's Downtown Chevron Service Station	State Site Unregulated UST	7/29/2005	7/29/2005 SDAR NFA No Further Action (NFA) Letter for Unreg UST
Hawaii	Hilo Equilon Enterprises LLC Hilo Terminal	State Site Site Assessment	11/9/2004	Ongoing
Hawaii	Hilo Excelsior Dairy Inc	State Site Unregulated UST	9/30/2005	12/19/2005 SDAR NFA No Further Action (NFA) Letter for Unreg UST - Unrestricted Use
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Hawaii	Hilo GTE Hawaiian Tel Kawaiiani Central Office	State Site File Review	8/17/1998	Ongoing
Hawaii	Hilo Haaheo Elementary School	State Site Site Assessment	9/20/2006	Ongoing
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Hilo Hatada Bakery	State Site File Review	3/3/2003	Ongoing Priority Med
Hawaii	Hilo Hawaii Air National Guard at Hilo Hilo International Airport General Lyman Field	State Site File Review	2/27/2003	Ongoing
Hawaii	Hilo Hawaii Cane Products Plant Waiakea Pond	State Site Ecological Risk Assessment	3/21/2005	Ongoing Priority Med

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Hilo Hawaii Electric Light Co (HELCO) Pipeline Hualani Hilo	State Site 20040113-1045 Referral to ISST	6/3/2004 Ongoing	
Hawaii	Hilo Hawaii Pest Control	State Site Remedial	1/4/2005 Ongoing	
Hawaii	Hilo Hilo Arsenic Spill Site	State Site O&M	5/9/2006 Ongoing	
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Prohibit Any Activity That May Disturb the Integrity of the Capping System				
Hawaii	Hilo Hilo Landfill	State Site File Review (low)	10/13/2003 Pri-Low	Priority Low
Hawaii	Hilo Hilo Quality Washerette	State Site Site Assessment	4/13/2005 Ongoing	Priority Med
Hawaii	Hilo HPM Building Supply dba Hawaii Wood Protection, Inc	State Site File Review	5/20/2004 Ongoing	Priority High
Hawaii	Hilo Keaukaha Hawaiian Homelands	State Site Risk Assessment	2/23/2003 Ongoing	
Hawaii	Hilo Larry's Waiakea Chevron	State Site Site Assessment	10/5/2005 Ongoing	
Hawaii	Hilo Stationers Corporation of Hawaii	State Site File Review	11/23/2005 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Hilo Tesoro Hawaii Corporation Hilo Terminal 607 Kalaniana'ole Ave	State Site Under consideration as Areawide Hilo Wharf site	10/13/2006 Ongoing	
Hawaii	Hilo Tesoro Hawaii Corporation Hilo Terminal 595 Kalaniana'ole Ave	State Site Under consideration as Areawide Hilo Wharf site	10/13/2006 Ongoing	
Hawaii	Hilo University of Hawaii at Hilo Auto Shop	State Site File Review	10/27/2006 Ongoing	
Hawaii	Hilo Wailoa Small Boat Harbor	State Site Remedial	10/5/2006 Ongoing	
Hawaii	Hilo Wailuku River Hydroelectric Project Base Yard Fueling Station	State Site File Review	9/2/2004 Ongoing	
Hawaii	Hilo Western Auto Store	State Site File Review	4/30/2002 Ongoing	
Hawaii	Hilo Young Brothers Ltd at Hilo Hilo Harbor Pier 2	State Site Under consideration as Areawide Hilo Wharf site	10/13/2006 Ongoing	
Hawaii	Honokaa Hawaii Department of Health - Honokaa	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Hawaii	Kailua-Kona Alii Linen Service Kuakini Snow White Linen	State Site Removal	10/13/2003 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	9/14/2005

Land Use Restriction and Type of Institutional Control:
This facility is available for unrestricted use.

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Island:	Locality: Facility / Site Name:	Response Program Name: Project Activity:	Start Date: Project Status:	End Date:
Hawaii	Kailua-Kona Hawaii Petroleum Kailua Kona Tosco Bulk Plant 0316	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Hawaii	Kamuela Kamuela Baseyard	State Site File Review	1/31/2002 Ongoing	
Hawaii	Kamuela Mauna Kea Beach Hotel	State Site File Review	10/24/2004 Ongoing	
Hawaii	Kapoho University of Hawaii Drilling Mud Toxicity Study Kapoho Scientific Observation Holes #1 and #2	State Site File Review	1/31/2002 Ongoing	
Hawaii	Kawaihae ConocoPhillips Kawaihae Terminal	State Site File Review	9/2/2004 Ongoing	
Hawaii	Kawaihae Pioneer Lumber Treating Inc	State Site File Review	1/31/2002 Ongoing	
Hawaii	Keaau Keaau Areawide Arsenic Assessment File	State Site Admin File	10/15/2004 Ongoing	
Hawaii	Keaau Keaau Hotel Hospitality Group Project	State Site O&M	10/2/2006 LUC/O&M	
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Remedial Action Memo A cap is proposed to eliminate arsenic exposure. The cap must be maintained.		

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Keaau	State Site	7/3/2006	
	Keaau Housing Affordable Housing Brownfield Project	Phase II	Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Keaau	State Site	4/20/2006	
	Keaau Housing 118 Acre Site	Site Assessment	Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Keaau	State Site	11/9/2006	
	Keaau Triangle Lot	Site Assessment	Ongoing	
Hawaii	Keaau	PA/SI	10/12/2006	
	Puna Sugar Co LLC at Keaau Puna Sugar Mill	PA - Consutation Memo & HR Scoring Recommended	Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Keauhou	State Site	9/28/2005	
	Waieli Drilling and Development Keauhou Mechanics Yard	File Review	Ongoing	
Hawaii	Kukaiau	State Site	1/31/2002	
	Kukaiau Ranch	File Review	Ongoing	
Hawaii	Mauna Kea	State Site	4/27/2006	
	Canada France Hawaii Telescope Observatory	O&M	Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Mauna Kea Motorola Inc Iolehaehae Cinder Cone Diesel Generator Site	State Site Site Assessment	9/1/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	12/5/2005 Priority Low
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Hawaii	Naalehu Kawaihae Ranch Weedone Release	State Site Site Assessment	4/13/2005 SDAR NFA No Further Action (NFA) - Unrestricted Use	11/8/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Hawaii	Naalehu Waiohinu Hwy at Route 11 Mile Marker 66 Hawaii Petroleum Distributors Tanker Diesel Spill	State Site File Review	7/7/2004 Ongoing	
Hawaii	Paauhau Hamakua Sugar Co at Paauhau Paauhau Sugar Mill	PA/SI PA1	2/7/2003 Ongoing	
Hawaii	Paauhau Hamakua Sugar Co at Paauhau Paauhau Seed Dipping Plant	PA/SI PA1	2/7/2003 Ongoing	
Hawaii	Paauilo Hamakua Sugar Co at Ookala Ookala Fuel Station	State Site File Review	12/15/1995 Ongoing	
Hawaii	Paauilo Hamakua Sugar Co at Paauilo Paauilo Seed Dipping Plant	PA/SI PA1	2/7/2003 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Paauilo Hamakua Sugar Co at Paauilo Paauilo Sugar Mill	PA/SI PA1	2/7/2003 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Hawaii	Pahala Ka'u Agribusiness Herbicide Mixing Plant	State Site Remedial	11/16/2004 Ongoing	Priority Med
Hawaii	Pahala Ka'u Agribusiness at Pahala Kau Sugar Mill	PA/SI PA1/SI1	8/24/2003 Ongoing	
Hawaii	Pahoa Pahoa Air Traffic Control Beacon Installation	State Site File Review	1/31/2002 Ongoing	
Hawaii	Papaiko Hamakua Sugar Co at Papaiko Papaiko Sugar Mill	PA/SI PA1	2/7/2003 Ongoing	
Hawaii	Pepeekeo Brewer Environmental Industries Pepeekeo Facility Downslope of Former HCPC Maintainance Garage	State Site Site Assessment	12/10/2004 Ongoing	
Hawaii	Pepeekeo Hilo Coast Power Co at Pepeekeo Pepeekeo Mill Black Oil Drum Sites	State Site Site Assessment	12/29/2004 Ongoing	
Hawaii	Pepeekeo Hilo Coast Power Co at Pepeekeo Pepeekeo Mill Fuel Storage Tank	State Site Site Assessment	12/10/2004 Ongoing	
Hawaii	South Kona Kamehameha Schools Estoy Property	State Site Site Assessment	9/18/2006 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Hawaii	Volcano Hawaii Volcanoes National Park 15,000-Gallon Aboveground Storage Tank Removal	State Site Site Assessment	5/25/2005 Ongoing	Priority Low
Hawaii	Volcano National Park Hawaii Volcanoes National Park Electrical Equipment Removal	State Site Ranking	5/20/2004 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	7/11/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Hawaii	Volcano National Park Hawaii Volcanoes National Park Building Q17 Unregulated UST	State Site Screening	5/25/2005 SDAR NFA Screening No Further Action (NFA) - Unrestricted Use	7/11/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Hawaii	Waikoloa Hilton Waikoloa Village Sewage Pump Station #2	State Site File Review	6/3/2004 Ongoing	
Hawaii	Waimea Waimea Chevron Service Station	State Site 20050519-1520 Referral to ISST	5/19/2005 Ongoing	
Hawaii	Waipunalei Hamakua Sugar Co at Waipunalei Waipunalei Seed Dipping Plant	PA/SI PA1	2/7/2003 Ongoing	
Kauai	Barking Sands Kauai Test Facility	State Site Site Assessment	4/13/2005 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Kauai	Eleele Kauai Electric Port Allen Generating Facility Lube Oil Berm	State Site File Review	7/14/1997 SDAR NFA	8/5/2005 No Further Action (NFA)
Kauai	Hanamaulu Lihue Plantation Co Ltd at Hanamaulu Lihue Sugar Hanamaulu Truck Shop	State Site Remedial	2/28/2006 Ongoing	
Kauai	Kapaa Leonard's Inc	State Site Remedial	6/1/2005 Ongoing	
Kauai	Kapaa Waiakea Road Contaminated Soils	State Site File Review	1/16/2001 Ongoing	
Kauai	Kapaa Wailua Homestead Wells Vicinity of Wells 0421-01 and 0421-02	State Site Remedial	10/18/2005 Ongoing	
Kauai	Kekaha Hawaii Army National Guard at Kekaha	State Site File Review	4/1/2002 Ongoing	
Kauai	Kekaha Kekaha Sugar Co Ltd at Kekaha Kekaha Mill & Seed Dip & Settling Pond	State Site Remedial Recommended	10/22/2004 Ongoing	Priority High
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Kauai	Kekaha Kekaha Sugar Co Ltd at Kekaha Wood Treatment & Herbicide Mixing Plant	State Site Remedial Recommended	12/5/2005 Ongoing	
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Kauai	Koloa Marriott Waiohai Beach Club 2000 Gallon Diesel UST	State Site Unregulated UST	9/30/2005	1/12/2006
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Kauai	Koloa McBryde Sugar Company Koloa Sugar Mill	PA/SI PA1/SI1	10/24/2005	Ongoing
Kauai	Koloa Stan's Koloa Chevron	State Site Ranking	4/13/2005	8/8/2005
			SDAR NFA Referred to SHWB	
Kauai	Lawai Lawai Valley Cannery	PA/SI PA1	6/30/2005	Ongoing
Kauai	Lihue Anahola Project Faith Brownfield Project	Brownfields Phase III Recommended	12/31/2004	SDAR NFO
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Kauai	Lihue Equilon Enterprises LLC Nawiliwili Fuel Distribution Terminal	State Site Site Assessment	11/9/2004	Ongoing
Kauai	Lihue Gary's Chevron Service Station	State Site Removal	6/1/2005	4/10/2006
			SDAR NFA Referred to SHWB	
Kauai	Lihue Honsador Lumber Corporation at Nawiliwili VRP Project	VRP Remedial	10/15/2004	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Kauai	Lihue Island Self Storage LLC	State Site Site Assessment	4/20/2005 Ongoing	
Kauai	Lihue Kauai Marriott Resort and Beach Club	State Site File Review	9/12/2005 SDAR NFA Referred to SHWB	10/5/2005
Kauai	Lihue Koamalu Plantation LLC Condominium	State Site Remedial	11/1/2006 Ongoing	
Kauai	Lihue Lihue Airport Masterworks	State Site Screening	9/22/2005 SDAR NFA Referred to SHWB	9/22/2005 Priority Med
Kauai	Lihue Lihue Plantation Co Ltd at Lihue Lihue Sugar Plantation Combined Sites	PA/SI PA1/SI1	6/30/2003 Ongoing	Priority High
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Kauai	Lihue Nawiliwili Harbor Nawiliwili Harbor Pier 2 Oil Spill	State Site File Review	5/20/2004 Ongoing	
Kauai	Lihue Nawiliwili Harbor Nawiliwili Harbor Pier 1 Fuel Contamination	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Kauai	Lihue Nawiliwili Harbor Nawiliwili Harbor Pier 3 Bollard Foundation	State Site File Review	9/6/2005 Ongoing	
Kauai	Lihue Nawiliwili Harbor Nawiliwili Harbor Pier 3 Improvements	State Site Site Assessment	10/19/2004 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Kauai	Port Allen Port Allen Shed Renovation	State Site File Review	8/22/1995 Ongoing	
Kauai	Puhi Brewer Chemical Corporation Puhi Facility	State Site Site Assessment	7/28/2005 Ongoing	Priority Med
Kauai	Wailua Coco Palms Sewer Pump Station	State Site File Review	3/3/2003 Ongoing	Priority Low
Kauai	Wailua Kauai Agricultural Research Center Agent Orange and Pesticide Sites	PA/SI SI1	11/20/2001 Ongoing	Priority High
Kauai	Waimea Borden Meadow Gold Dairy	State Site File Review	10/13/2003 Ongoing	Priority Low
Kure Atoll	Kure Atoll Kure Atoll	State Site File Review (high)	3/18/2003 Pri-High	Priority High
Lanai	Lanai City Manele Bay Golf Course	State Site File Review	5/20/2004 Ongoing	
Maui	Haliimaile Maui Land and Pineapple at Haliimaile Road	State Site File Review	5/20/2004 Ongoing	
Maui	Kaanapali Consolidated Metals Inc	State Site File Review	2/27/2003 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Maui	Kaanapali Kaanapali Beach Apartment Condominium	State Site Ranking	11/1/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	11/10/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Maui	Kahului Alii Linen Service Aliamanu Snow White Linen	State Site File Review	6/2/2005 Ongoing	
Maui	Kahului Chevron USA Products Company Marketing Kahului Bulk Terminal	State Site Site Assessment	10/27/2000 Ongoing	Priority Med
Maui	Kahului Equilon Enterprises LLC Kahului Bulk Terminal	State Site Site Assessment	11/9/2004 Ongoing	
Maui	Kahului F and M Contractors Inc	State Site File Review	3/18/2003 SDAR NFA No Further Action (NFA)	8/18/2005
Maui	Kahului Fong Construction Inc	State Site File Review	3/12/2002 Ongoing	
Maui	Kahului Hawaii Army National Guard at Kahului	State Site File Review	2/27/2003 Ongoing	
Maui	Kahului Hawaii Wood Preserving Co	State Site Site Assessment	4/13/2005 Ongoing	Priority Low
Maui	Kahului Hobron Ave Area Kahului Kahului Harbor	State Site Site Assessment	6/3/2000 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Maui	Kahului Kanaha Pond Industrial West Site	PA/SI Remedial Recommended pending ACOE decision	4/26/2006 SDAR NFO	
Maui	Kahului King's Towing	State Site Addressed as part of Kanaha Pond East Site	7/26/2004 Ongoing	
Maui	Kahului Maui Business Park	State Site File Review (low)	1/28/1997 Ongoing	Priority Low
Maui	Kahului Maui Petroleum Inc Kahului Terminal Kahului Harbor	State Site Site Assessment	10/27/2000 Ongoing	
Maui	Kahului Maui Shell Service Station	State Site Screening	10/27/2000 SDAR NFA Screening No Further Action (NFA)	8/31/2005
Maui	Kahului Rex Tire and Supply	State Site Unregulated UST Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.	9/30/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	3/14/2006
Maui	Kahului Sears Auto Center at Kahului	State Site File Review	5/20/2004 Ongoing	
Maui	Kahului Valley Isle Produce (VIP) Food Service Warehouse	State Site Site Assessment	10/27/2000 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Maui	Kihei Selland Construction Inc Kihei Base Yard	State Site File Review (low)	1/30/1997 Ongoing	Priority Low
Maui	Lahaina Maui Disposal Company Inc at Lahaina	State Site File Review	5/20/2004 Ongoing	
Maui	Maalaea Maui Electric Co Inc (MECO) Maalaea Power Plant	State Site Remedial	5/20/2004 Ongoing	
Maui	Makawao Maunaolu Smith Well State Well No. 5320-02	State Site Screening	9/21/2005 SDAR NFA Screening No Further Action (NFA)	9/22/2005
Maui	Paia Hawaiian Commercial and Sugar Co at Paia Paia Sugar Mill	PA/SI Awaiting EPA approval letter for SI report	9/8/2006 Ongoing	
Maui	Paia Paia General Store	State Site Removal	8/1/2005 SDAR NFA No Further Action (NFA) - Unrestricted Use	8/4/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Maui	Pukalani Maui Land and Pineapple VRP Former Pesticide Mixing Storage Area	VRP Site Assessment	5/7/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Maui	Puunene Hawaiian Commercial and Sugar Co at Puunene Puunene Sugar Mill	State Site 20040113-0904 Referral to ISST	11/3/2005 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Maui	Puunene	State Site	4/30/2002	
	Maui Airport Puunene	File Review	Ongoing	
Maui	Puunene	State Site	5/20/2004	
	Maui Wood Treating Company Ltd	File Review	Ongoing	
Maui	Wailuku	State Site	8/1/2005	8/24/2005
	1790 Mill Street	Removal	SDAR NFA No Further Action (NFA) - Unrestricted Use	
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Maui	Wailuku	State Site	2/25/2003	
	Hawaii Army National Guard at Wailuku Organizational Maintenance Shop #3 (OMS #3)	File Review	Ongoing	
Maui	Wailuku	State Site	3/3/2004	
	Hawaii Land and Farming Co Wailuku Development Site	File Review	Ongoing	
Maui	Wailuku	State Site	10/28/2005	
	Maui Electric Co Inc (MECO) Substation 3 Transformer 7597	20050412-1240 Referral to ISST	Ongoing	
Maui	Wailuku	State Site	9/30/2005	
	Valley Isle Motors	Unregulated UST	Ongoing	
Maui	Wailuku	State Site	8/9/2005	
	Waiale Landfill	Remedial	Ongoing	
Molokai	Hoolehua	State Site	5/17/2006	
	Grace Pacific Corporation Manawainui Molokai Facility	File Review	Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Molokai	Kaunakakai Hawaiian Eye Center	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Molokai	Kaunakakai Island Petroleum Inc Kaunakakai Terminal Kaunakakai Harbor	State Site 20040817-0825 Referral to ISST	7/26/2005 Ongoing	
Molokai	Kaunakakai Molokai Electric Co Molokai Community Service Center	State Site Assessment Recommended	7/26/2004 Ongoing	
Molokai	Kaunakakai Molokai Oil	State Site File Review	2/25/2003 Ongoing	
Molokai	Kaunakakai Rawlins' Chevron Service Station	State Site Site Assessment	6/28/2006 Ongoing	
Molokai	Kaunakakai Rawlins' Chevron Service Station Hydraulic Hoist and Sand And Grease Trap	State Site 20040121-0943 Referral to ISST	11/7/2005 SDAR NFA	12/2/2005
			No Further Action (NFA) Letter - Release ID 20040121-0943	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Molokai	Molokai Kualapuu Well 17	State Site Ranking	5/20/2004 SDAR NFA	1/6/2006
			No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Aiea Aiea Sugar Mill VRP Lot 15 Aiea Sugar Mill	VRP Remedial	10/1/2002 Ongoing	
		<p>Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued No use restrictions for Lots 1-5 and 16 or 19. Any soil removed on lots 6-14 and 17-18 must go to a landfill. Lot 15 requires further remediation for lead and benzo(a)pyrene. The VRP agreement is to be transferred over to A&B for lot 15.</p>		
Oahu	Aiea Grace Pacific Corporation Halawa Facility	State Site Review Annual Monitoring Reports	1/31/2006 Ongoing	Priority Low
Oahu	Aiea Hawaii Agricultural Research Center Aiea Stream Bed	State Site Remedial	5/21/2004 Ongoing	
Oahu	Aiea Hawaii Baking Company	State Site File Review	9/6/2005 Ongoing	
Oahu	Aiea Hawaiian Cement at Halawa Quarry	State Site Ranking	9/30/2005 SDAR NFA Referred to SHWB	2/7/2006
Oahu	Aiea Hawaiian Electric Co (HECO) Transformer 52091	State Site File Review	5/20/2004 Ongoing	
Oahu	Aiea Sears Facility 1578 at Pearlridge Mall Hydraulic Hoist	State Site Remedial	8/30/1999 Ongoing	
		<p>Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use.</p>		

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Island:	Locality: Facility / Site Name:	Response Program Name: Project Activity:	Start Date: Project Status:	End Date:
Oahu	Ewa Beach Oahu Sugar Co at Ewa Beach Ewa Sugar Mill	State Site Remedial	4/1/2002 Ongoing	
Oahu	Ewa Beach Oahu Sugar Co at Ewa Beach Ewa Sugar Mill Southeast Side	State Site File Review for Land Use Control	11/14/2006 Ongoing	Priority High
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Ewa Beach Oahu Sugar Co at Ewa Beach Pesticide Mixing & Loading Area	State Site Remedial	2/1/2005 Ongoing	Priority High
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Haleiwa Haleiwa Chevron (OK Chevron)	State Site 20050630-1400 Referral to ISST	10/28/2005 Ongoing	
Oahu	Haleiwa Sunset Beach Chevron	State Site Site Assessment	8/31/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	10/10/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Haleiwa Waimea Valley Adventure Park	State Site File Review	9/6/2002 Ongoing	
Oahu	Honolulu 1510 Frear St Unit A	State Site Site Assessment	4/13/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	7/15/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu 2121 S King St	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu 2147 Aoao St	State Site File Review	9/2/2004 Ongoing	
Oahu	Honolulu 373 N Nimitz Hwy	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	Priority High
Oahu	Honolulu 420-470 North Nimitz Highway	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	Priority High
Oahu	Honolulu 4338 Puu Panini Ave	State Site 20040228-1130 Referral to ISST	2/28/2004 Ongoing	
Oahu	Honolulu 580 North Nimitz Hwy	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	Priority High
Oahu	Honolulu 611 Middle Street Warehouse	State Site File Review	11/14/2006 Ongoing	
Oahu	Honolulu Ala Wai Cove Condominium Apartments	State Site Unregulated UST	11/24/2004 Ongoing	
Oahu	Honolulu Allstate Industrial and Marine Cleaning Inc Honolulu Harbor Pier 32	State Site Site Assessment Recommended	9/22/2006 Ongoing	
Oahu	Honolulu Aloha 7-Eleven City Square	State Site File Review (low)	10/13/2003 Ongoing	Priority Low

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Aloha Petroleum Nimitz Terminal Honolulu Harbor Pier 29	State Site Site Assessment Recommended	9/22/2006 Ongoing	
Oahu	Honolulu Aloha Tower Development Corporation Honolulu Harbor Piers 8 to 14	State Site To be Addressed Honolulu Harbor Downtown Unit	9/12/2005 Ongoing	Priority Med
Oahu	Honolulu Aloha/King LLC VRP Project	VRP Remedial	6/7/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Alsco American Linen Division	State Site File Review (low)	10/23/2006 Ongoing	Priority Low
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use.				
Oahu	Honolulu ARCO AM/PM 82102 (Texaco 61-100-0043)	State Site Unregulated UST	12/10/2004 Ongoing	
Oahu	Honolulu ARCO AM/PM 82111 (Texaco 61-100-0045)	State Site Unregulated UST	10/27/2005 Ongoing	
Oahu	Honolulu Best Buy at Iwilei	State Site Site Assessment	1/18/2006 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	1/24/2006
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu BHP Gasco Iwilei Benzene Site	State Site Remedial	4/14/2003 Ongoing	Priority Low

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu BHP Honolulu Terminal Facility Honolulu Harbor Pier 29	State Site Site Assessment Recommended	9/22/2006 Ongoing	
Oahu	Honolulu BIA Construction Training Center of the Pacific Brownfield Project	Brownfields Phase I	4/27/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	7/1/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu Board of Water Supply Pipeline Water Main Break	State Site 20061002-0903 Referral to ISST	10/2/2006 Ongoing	
Oahu	Honolulu Capitol Place Development Project	State Site Removal	11/10/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	11/15/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu Chevron USA Products Company Hawaii Refinery Pipeline Honolulu Harbor Pier 35	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Chevron USA Products Company Marketing Honolulu Terminal Marine	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Chevron USA Products Company Marketing Honolulu Transportation Terminal	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Chevron USA Products Company Marketing Kapalama Terminal Southwest Parcel	State Site Site Assessment	3/31/2006	4/3/2006
			LUC No Further Action (NFA) Letter with Institutional Controls	
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Limit Further Land Use		
Oahu	Honolulu Chevron USA Products Company Marketing Kapalama Terminal South Chevron Fuel Farm	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005	Ongoing
Oahu	Honolulu Chevron USA Products Company Marketing Kapalama Terminal Northwest Parcel	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005	Ongoing
Oahu	Honolulu Chevron USA Products Company Marketing Kapalama Terminal Northeast Parcel	State Site Site Assessment	3/31/2006	Ongoing
Oahu	Honolulu City Mill Home Improvement Center at Iwilei	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005	Ongoing
Oahu	Honolulu Costco Wholesale at Iwilei VRP Warehouse	VRP Remedial	3/1/2002	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Costco Wholesale at Iwilei VRP Gas Station	VRP Remedial	7/26/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Cutter Dodge	State Site File Review	10/20/2006 Ongoing	
Oahu	Honolulu DIL Trust	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Dole Food Company Hawaii Packing Plant Iwilei Facility	State Site File Review (low)	11/22/2004 Ongoing	Priority Low
Oahu	Honolulu Domestic Commercial Fishing Village Honolulu Harbor Pier 36 to 38	State Site Removal	7/1/2003 Ongoing	
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. The Site is limited to commercial use.				
Oahu	Honolulu Equilon Enterprises LLC Honolulu Terminal	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Farrington High School	State Site File Review (low)	1/30/1997 Ongoing	Priority Low
Oahu	Honolulu Fort Ruger Transformer 33	State Site Site Assessment	4/13/2005 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Garlow Petroleum Inc	State Site File Review	1/31/2002 Ongoing	
Oahu	Honolulu Gasco Parcel 8 and 9 Gas Distribution Center Honolulu Harbor Pier 38	State Site Site Assessment	7/18/2005 Ongoing	
Oahu	Honolulu Gateway Park	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu GTE Hawaiian Tel Alakawa Street and Nimitz Highway Trench	State Site Site Assessment	11/13/2006 Ongoing	
Oahu	Honolulu GTE Hawaiian Tel Base Yard	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu Hakuyosha Hawaii Inc	State Site File Review (low)	6/11/2004 Ongoing	Priority Low
Oahu	Honolulu Halawa Stream Channel	State Site File Review	10/23/2006 Ongoing	
Oahu	Honolulu Hall Mark Dry Cleaners	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Oahu	Honolulu Hart Street Wastewater Pump Station (WWPS) Nimitz Hwy Relief Sewer	State Site Site Assessment	10/20/2006 Ongoing	
Oahu	Honolulu Hawaii Army National Guard at Fort Ruger Former Firing Ranges	State Site Remedial	11/13/2006 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Hawaii Convention Center	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu Hawaii Fueling Facilities Corporation Honolulu International Airport	State Site File Review	9/6/2005 Ongoing	
Oahu	Honolulu Hawaii Fueling Facilities Corporation Sand Island Lockheed Tank Yard	State Site File Review	11/15/2005 Ongoing	
Oahu	Honolulu Hawaii Grain Corporation Fred L. Waldron Feed Mill	State Site Site Assessment Recommended	9/22/2006 Ongoing	
Oahu	Honolulu Hawaii Job Corps Center	State Site File Review (low)	10/13/2003 Ongoing	Priority Low
Oahu	Honolulu Hawaii Meat Co Ltd	State Site Remedial	9/1/2004 Ongoing	Priority Med
Oahu	Honolulu Hawaii Metal Recycling Co Honolulu Harbor Pier 35	State Site Site Assessment	5/10/2006 Ongoing	Priority Med
Oahu	Honolulu Hawaii Stevedores Inc Honolulu Harbor Pier 26	State Site Site Assessment	9/22/2006 Ongoing	
Oahu	Honolulu Hawaii Transfer Company Ltd Honolulu Harbor Pier 36	State Site Site Assessment	9/22/2006 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Hawaiian Electric Co (HECO) at Kapiolani Blvd and Chapin Lane Soil Contamination	State Site File Review	1/31/2002 Ongoing	Priority Low
Oahu	Honolulu Hawaiian Electric Co (HECO) Fuel Oil Pipeline	State Site Site Assessment	5/20/2004 Ongoing	
Oahu	Honolulu Hawaiian Electric Co (HECO) Honolulu Generating Station	State Site File Review (low)	10/17/2003 Ongoing	Priority Low
Oahu	Honolulu Hawaiian Electric Co (HECO) Iwilei Tank Yard	State Site Site Assessment	5/26/2006 SDAR NFA No Further Action (NFA) Letter - Release ID 200509061122	6/5/2006
Oahu	Honolulu Hawaiian Electric Co (HECO) Mokuone Substation	State Site Site Assessment	5/5/2005 SDAR NFO No Further Action (NFA) Letter - Unrestricted Use for groundwater problem only	5/26/2006
<p style="text-align: center;">Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Maintenance of a cap over lead and petroleum contaminated soils.</p>				
Oahu	Honolulu Hawaiian Electric Co (HECO) Transformer 26127	State Site File Review	11/19/2003 Ongoing	
Oahu	Honolulu Hawaiian Flour Mill	State Site Site Assessment	3/15/2006 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Hawaiian Fluid Power Co	State Site File Review	4/16/2004 Ongoing	
Oahu	Honolulu Hawaiian Miso and Soy Co Ltd	State Site Unregulated UST	9/30/2005 SDAR NFA No Further Action (NFA) Letter for Unreg UST	11/14/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu Hawaiian Tug and Barge Corporation Honolulu Harbor Pier 21	State Site Site Assessment	9/22/2006 Ongoing	
Oahu	Honolulu Home Depot at Iwilei VRP Project	VRP O&M	10/1/2002 LUC/O&M	
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Prohibit Any Activity That May Disturb the Integrity of the Monitoring System				
Oahu	Honolulu Honolulu Harbor Honolulu Harbor Pier 19 BTU Storage Tanks	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	Priority High
Oahu	Honolulu Honolulu International Airport (HIA)	State Site File Review (high)	3/3/2003 Ongoing	Priority Med
Oahu	Honolulu Honolulu Shipyard Inc Honolulu Harbor Pier 40	State Site File Review	11/22/2004 Ongoing	Priority Med

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu House Foods Hawaii Foremost Dairies Hawaii	State Site Ranking	7/5/2005	8/25/2005
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Imai Brothers Enterprises Kalakaua Transmission Inc	State Site Site Assessment	12/14/2004	3/28/2006
			LUC No Further Action (NFA) Letter with Institutional Controls	
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued (Concrete Cap) Building foundation must remain in place. If the foundation is disturbed/removed, additional soil and groundwater characterization must be conducted and appropriate remedial measures employed.		
Oahu	Honolulu Iolani School	State Site File Review	5/20/2004	
			Ongoing	
Oahu	Honolulu Island Movers Inc	State Site File Review	5/20/2004	
			Ongoing	
Oahu	Honolulu Iwilei Business Center Ltd	State Site Site Assessment	12/6/2005	
			Ongoing	
Oahu	Honolulu Iwilei Project Brownfield Project	Brownfields Phase III Recommended	4/1/2004	
			SDAR NFO	
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Kaimuki Pump Station	State Site Unregulated UST	9/30/2005	2/14/2006
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Kakaako Makai District Parking Garage	State Site File Review	11/14/2006	Ongoing
Oahu	Honolulu Kakaako Pump Station Brownfield Project	Brownfields Phase II Recommended	10/1/2004	SDAR NFO
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Honolulu Kakaako Unit 1 Brownfield Project	Brownfields Assessment Recommended	11/30/2004	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Honolulu Kakaako Unit 10 Brownfield Project	Brownfields Assessment Recommended	11/30/2004	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Honolulu Kakaako Unit 2 Brownfield Project	Brownfields Assessment Recommended	11/30/2004	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Honolulu Kakaako Unit 3 Brownfield Project	Brownfields Assessment Recommended	11/30/2004	Ongoing Priority Med
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Kakaako Unit 4 Brownfield Project	Brownfields Assessment Recommended	11/30/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kakaako Unit 5 Brownfield Project	Brownfields Assessment Recommended	11/30/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kakaako Unit 6 Brownfield Project	Brownfields Remedial Recommended	4/13/2005 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kakaako Unit 7 Brownfield Project	Brownfields Remedial Recommended	4/13/2005 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kakaako Unit 8 Brownfield Project	Brownfields Remedial Recommended	7/16/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kakaako Unit 9 Brownfield Project	Brownfields Phase I Recommended	11/30/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Kalani and Hart and Mokuaea Street	State Site Phase II	3/1/2006 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	3/23/2006
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Kalihi Palama Bus Facility	State Site ISST	9/30/2005	1/6/2006
			SDAR NFA Referred to SHWB	
Oahu	Honolulu Kalihi Texaco	State Site Remedial	5/18/2004	
			Ongoing	
Oahu	Honolulu Kapahulu Avenue Project Safeway at Former Love's Bakery	State Site Site Assessment	2/14/2005	1/9/2006
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Kapalama Incinerator Off-Site Contamination	State Site Site Assessment	5/6/2005	
			Ongoing	
Oahu	Honolulu Kapalama Incinerator On-Site Contamination	State Site Remedial	5/23/2000	10/24/2005
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Keehi Lagoon Canoe Facility	State Site Site Assessment	6/7/2005	10/21/2005
			LUC	Priority Med Restricted Use Letter
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Limit Further Land Use and Restrict Site Access		
Oahu	Honolulu Kewalo Incinerator Ash Dump	State Site File Review for Land Use Control	11/14/2006	
			Ongoing	
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Kewalo Incinerator Landfill Landfill	State Site File Review for Land Use Control	11/14/2006 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu King Kalakaua Plaza Development Project	State Site File Review	1/3/2006 Ongoing	Priority Med
Oahu	Honolulu Koolani Tower Project	State Site Site Assessment Area 2	2/28/2005 Ongoing	2/2/2006 NFA Area 2 under building
Oahu	Honolulu Lance Goya's Chevron Service	State Site Removal	6/2/2003 Ongoing	
Oahu	Honolulu Like Like Plaza	State Site File Review	4/28/2006 SDAR NFA	5/1/2006 Priority Low
No Further Action (NFA) Letter - Unrestricted Use				
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu Lockheed Air Terminal Inc Honolulu International Airport	State Site File Review (med)	10/17/2002 Ongoing	Priority Med
Oahu	Honolulu Lowe's at Iwilei VRP at Tosco Honolulu Bulk Terminal Property	VRP Remedial	8/5/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Lowe's at Iwilei VRP at Brewer Environmental Industries Property	VRP Site Assessment	8/5/2004 Ongoing	Priority Med
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Honolulu Matson Navigation Company Honolulu Harbor Pier 51	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu McCabe Hamilton & Renny Company Ltd Honolulu Harbor Pier 1	State Site File Review	10/20/2006 Ongoing	
Oahu	Honolulu Meadow Gold Ice Cream Plant	State Site File Review	10/13/2003 Ongoing	Priority Low
Oahu	Honolulu Mid Pacific Institute	State Site Unregulated UST	10/28/2005 Ongoing	
Oahu	Honolulu Middle Street Intermodal Center	State Site Remedial	9/22/2006 Ongoing	
Oahu	Honolulu Miyazaki Honolulu Airport Service Station	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu Monarch Building Supply	State Site Ranking	9/30/2005 SDAR NFA Referred to SHWB	12/6/2005
Oahu	Honolulu Motor Supply, Limited	State Site Monitoring Soil gas investigation	10/5/2006 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Nestle USA	State Site File Review	9/22/2006 Ongoing	
Oahu	Honolulu Nimitz Highway from Sumner Street to Queen Street	State Site Site Assessment	9/22/2006 Ongoing	
Oahu	Honolulu One Archer Lane	State Site Ranking	9/30/2005 SDAR NFA Referred to SHWB	1/10/2006
Oahu	Honolulu Palolo Substation	State Site Site Assessment	3/30/2006 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	4/28/2006
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use. Hawaii Dept. of Health Letter Issued				
Oahu	Honolulu Pauley Petroleum Honolulu Harbor Pier 32 to 33	State Site Addressed as part of Honolulu Harbor Iwilei Unit	11/18/2005 Ongoing	Priority Med
Oahu	Honolulu Pearl Harbor Naval Shipyard Building 1456 UST	State Site 20060602-1050 Referral to ISST	6/5/2006 SDAR NFA	
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Honolulu Polynesian Hospitality	State Site Site Assessment	9/22/2006 Ongoing	

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Prince Kuhio Hotel	State Site Unregulated UST	9/30/2005	10/26/2005
			SDAR NFA No Further Action (NFA) Letter for Unreg UST - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Pukoloa Wood Treating Site	State Site Remedial	4/8/2002	Priority Low
Oahu	Honolulu Puuwai Momi Housing Complex Hawaii Mercury	State Site File Review	5/20/2004	Ongoing
Oahu	Honolulu Queen Emmalani Tower	State Site Remedial	1/10/2005	2/1/2006
			LUC Priority Low No Further Action (NFA) Letter with Institutional Controls	
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued		
Oahu	Honolulu Sand Island Access Road Buried Drum Site	State Site File Review	9/2/2004	Ongoing
Oahu	Honolulu Sand Island State Recreation Area Brownfield Project	Brownfields Phase II Recommended	7/20/2004	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Sand Island Waste Water Treatment Plant (WWTP)	State Site File Review	6/22/2005 Ongoing	
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. The Site is limited to commercial use. See the hardcopy file for a description of the restrictions in use.				
Oahu	Honolulu Sause Brothers	State Site Site Assessment	9/22/2006 Ongoing	
Oahu	Honolulu Schuman Carriage	State Site Ranking & Filing	1/31/2002 Ongoing	
Oahu	Honolulu Sea Land Service	State Site File Review	7/26/2004 Ongoing	
Oahu	Honolulu Servco Pacific Inc at Auiki St	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu Sierra Shell Service Station	State Site File Review	5/20/2004 Ongoing	
Oahu	Honolulu Sprint PCS Call Center Parking Lot	State Site Remedial	6/21/2006 Ongoing	
Oahu	Honolulu Tesoro Hawaii Corporation Honolulu Terminal Honolulu Harbor Pier 34	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Tesoro Hawaii Corporation Sand Island Terminal	State Site Remedial	5/22/2004 Ongoing	Priority Med

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	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Texaco Iwilei	State Site Addressed as part of Honolulu Harbor Iwilei Unit	8/9/2005 Ongoing	
Oahu	Honolulu Towco at Sand Island	State Site File Review	1/17/1997 Ongoing	Priority Low
Oahu	Honolulu Town Inn VRP 1200 College Walk	VRP O&M	8/18/2004 LOC/NFA Monitoring complete, site closed. Unrestricted use.	3/22/2006
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use. Hawaii Dept. of Health Letter Issued				
Oahu	Honolulu Trans Hawaiian Site	State Site Ranking	9/30/2005 SDAR NFA Referred to SHWB	12/9/2005
Oahu	Honolulu Travel Plaza Transportation LLC	State Site File Review (med)	7/26/2004 Ongoing	Priority Med
Oahu	Honolulu Uaukewai Diving Salvage & Fishing Inc	State Site Site Assessment	9/22/2006 Ongoing	
Oahu	Honolulu United Airlines Honolulu International Airport Gate 1	State Site 20051213-1653 Referral to ISST	12/13/2005 Ongoing	
Oahu	Honolulu University of Hawaii at Manoa Hawaii Hall Renovation	State Site File Review	9/2/2004 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu University of Hawaii at Manoa Bilger Hall Mercury	State Site File Review	10/8/2002 Ongoing	
Oahu	Honolulu University of Hawaii at Manoa Lower Campus	State Site File Review	10/21/2002 Ongoing	
Oahu	Honolulu University of Hawaii at Manoa Stan Sheriff Special Events Arena	State Site File Review	2/26/1993 Ongoing	
Oahu	Honolulu US Coast Guard Base Honolulu	State Site File Review	9/30/2005 Ongoing	
Oahu	Honolulu US Postal Service Vehicle Maintenance Facility	State Site Site Assessment Recommended	10/18/2006 Pri-Low	Priority Low
Oahu	Honolulu Vermiculite of Hawaii	PA/SI PA1	11/15/2005 SDAR NFO EPA Lead - Removal	4/26/2006
Oahu	Honolulu Von Hamm Textiles Inc	State Site Site Assessment	3/7/2006 LUC No Further Action (NFA) Letter with Institutional Controls	3/13/2006
Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use. Hawaii Dept. of Health Letter Issued Prohibit Excavation				

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Honolulu Waikiki Bazaar	State Site Unregulated UST	9/30/2005	11/10/2005
			SDAR NFA No Further Action (NFA) Letter for Unreg UST	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Honolulu Waikiki Sand Villa II	State Site File Review (low)	10/13/2003	Priority Low
Oahu	Honolulu Weyerhaeuser	State Site Site Assessment	4/5/2006	Ongoing
Oahu	Honolulu Wiliwili and King St Excavation	State Site Ranking	5/20/2004	8/17/2005
			SDAR NFA Referred to SHWB	
Oahu	Honolulu Yee Hop Building at 950 Maunakea St	State Site Remedial	10/15/2004	Ongoing
Oahu	Honolulu Young Brothers Ltd at Honolulu Honolulu Harbor Pier 24 to 29	State Site Site Assessment	9/22/2006	Ongoing
Oahu	Honolulu Young Brothers Ltd at Honolulu Honolulu Harbor Pier 39 and 40	State Site File Review	7/26/2004	Ongoing
Oahu	Kahuku Kahuku Sugar Mill VRP Project	VRP Remedial	3/3/2006	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Kailua 21 Malunui Ave	State Site File Review	4/16/2001	Ongoing

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Kailua GTE Hawaiian Tel Kailua Baseyard	State Site Site Assessment	3/4/2005 Ongoing	
Oahu	Kailua Honolulu Skeet Club	State Site Remedial	10/27/2006 Ongoing	Priority Low
Oahu	Kailua Kailua Corporation Yard	State Site File Review (low)	7/7/2004 Pri-Low	Priority Low
Oahu	Kailua Kaneohe Ranch	State Site Unregulated UST	9/30/2005 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	3/10/2006
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Kailua Women's Community Correctional Center	State Site Unregulated UST	9/30/2005 Ongoing	
Oahu	Kaneohe Flag lot adjacent to 45-130 Lilipuna Road	State Site File Review	6/14/2004 Ongoing	
Oahu	Kaneohe Hawaiian Electric Co (HECO) Transformer 28851	State Site Ranking	5/20/2004 SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	12/1/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Kaneohe Kaneohe Chevron Service	State Site Ranking	9/30/2005 SDAR NFA Referred to SHWB	10/10/2005

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Kaneohe Scott's Plating	State Site Site Assessment	3/18/2003 Ongoing	Priority High
Oahu	Kaneohe US Coast Guard Omega Station Brownfield Haiku Valley Rehabilitation Site	Brownfields Remedial Recommended	9/22/2006 SDAR NFO	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Kapolei AES Hawaii Inc	State Site Risk Assessment	5/20/2005 SDAR NFO Referred to SHWB	7/27/2005
Oahu	Kapolei Aloha Petroleum Barbers Point Terminal Barbers Point Harbor	State Site File Review (med)	5/20/2004 Ongoing	Priority Med
Oahu	Kapolei Ameron Concrete Pipe Fabrication Facility	State Site File Review	5/20/2004 Ongoing	
Oahu	Kapolei Barbers Point Harbor Barbers Point Harbor Expansion	State Site File Review (med)	3/3/2003 Pri-Med	Priority Med
Oahu	Kapolei Barbers Point Harbor Barbers Point Harbor Lead Contaminated Soil	State Site File Review	5/20/2004 Ongoing	
Oahu	Kapolei Barbers Point Harbor Barbers Point Barge Harbor Soil Contamination	State Site File Review (med)	7/7/2005 Ongoing	Priority Med

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Kapolei Brewer Chemical Corporation Campbell Industrial Park Facility	State Site File Review (low)	10/18/2005 Ongoing	Priority Low
Oahu	Kapolei Chevron USA Products Company Hawaii Refinery Tank Sludge	State Site File Review (med)	11/18/2002 Ongoing	Priority Med
Oahu	Kapolei Chevron USA Products Company Hawaii Refinery Pipeline Hanua St and Komohana St	State Site File Review	4/16/2002 Ongoing	
Oahu	Kapolei Con-Fab Hawaii Corporation	State Site File Review	3/13/2006 Ongoing	
Oahu	Kapolei CoVan Warehouse	State Site Site Assessment	9/30/2005 Ongoing	
Oahu	Kapolei Covanta HPOWER Honolulu Resource Recovery Venture	State Site 20051018-1100 Referral to ISST	2/24/2006 SDAR NFA	2/28/2006
			No further Action	
		Land Use Restriction and Type of Institutional Control: This facility has restrictions on its use.		
Oahu	Kapolei East Kapolei Affordable Housing Brownfield Project	Brownfields Phase II Recommended	10/1/2004 Ongoing	
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Kapolei Hanua St Southern Terminus	State Site Remedial	8/23/2004 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Kapolei Hawaiian Dredging Construction Company Incorporated	State Site File Review	3/7/2005 Ongoing	
Oahu	Kapolei Honolulu Wood Treating Company at Kapolei VRP Project	VRP Site Assessment	10/15/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Kapolei Honsador Lumber Corporation at Kapolei VRP Project	VRP Remedial	10/15/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Kapolei Industrial Technology Kauhi St	State Site File Review	5/20/2004 Ongoing	
Oahu	Kapolei Kalaeloa Cogeneration Plant	State Site File Review	10/7/2005 Ongoing	
Oahu	Kapolei Komohana Park Industrial Lots VRP Project	VRP Site Assessment	8/2/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Kapolei Marisco Ltd Barbers Point Harbor	State Site File Review	2/27/2003 Ongoing	
Oahu	Kapolei Tesoro Hawaii Corporation Barge Loading Facility Barbers Point Pier 5 Deep Draft Harbor	State Site Site Assessment	4/13/2005 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Kapolei Tileco Inc	State Site File Review (med)	11/25/2002 Ongoing	Priority Med
Oahu	Kapolei Waimanalo Gulch Sanitary Landfill	State Site File Review	10/12/2006 Ongoing	
Oahu	Kualoa Kualoa Regional Park	State Site File Review	2/27/2003 Ongoing	
Oahu	Kunia Central Oahu Wells	State Site Site Assessment	8/22/1996 Ongoing	
Oahu	Kunia Del Monte Fresh Fruit Packing Facility	State Site Site Assessment	5/20/2004 Ongoing	
Oahu	Kunia Del Monte Oahu Plantation	State Site File Review	4/5/2006 Ongoing	
Oahu	Kunia Del Monte Oahu Plantation NPL Site	State Site Remedial	4/8/2002 Ongoing	Priority High
Oahu	Kunia Hawaii Agricultural Research Center Kunia Substation	State Site Site Assessment Recommended	10/18/2006 Ongoing	Priority Med
Oahu	Kunia Oahu Plantation Poamoho Tract Poamoho Rag Disposal Area	PA/SI PA 2 Abbreviated	10/1/2004 Ongoing	
Oahu	Makakilo Grace Pacific Corporation Makakilo Facility	State Site File Review	5/20/2004 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Mokuleia Dillingham Ranch	State Site Site Assessment	9/21/2006 Ongoing	
Oahu	Nanakuli Hakimo Road Hanson Property TMK 8-7-10-2	State Site File Review	9/30/1995 Ongoing	
Oahu	Nanakuli Kaiser Cement Corp at Waianae Point	State Site File Review (med)	5/28/2004 Ongoing	Priority Med
Oahu	Pearl City Hawaii Army National Guard at Waiawa Gulch Pearl City Industrial Park Installation 15080	State Site Site Assessment	2/14/2006 Ongoing	Priority High
Oahu	Pearl City Hawaiian Electric Co (HECO) Waiiau Generating Station	State Site File Review	8/26/2004 Ongoing	
Oahu	Pearl City Pearl City Urban Garden Center	State Site Site Assessment	6/6/2006 Ongoing	
Oahu	Pearl City Waimano Home Campus Brownfield Project	Brownfields Phase II Recommended	12/8/2004 SDAR NFO	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Pearl City Waterfront Manor	State Site File Review (med)	11/8/2002 Ongoing	Priority Med
Oahu	Pearl Harbor Pearl Harbor Naval Shipyard Former PWC Industrial Waste Treatment Plant	State Site File Review	6/22/2006 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Wahiawa Schofield Barracks Schofield Barracks Buildings T-674 & T-675	State Site Removal	10/5/2005	2/28/2006
			SDAR NFA No Further Action (NFA) Letter - Unrestricted Use	
		Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.		
Oahu	Wahiawa Schofield Barracks Porter Site	State Site Site Assessment	6/15/2006	Ongoing
Oahu	Wahiawa Wheeler Army Airfield Transformer WAAF-27	State Site Remedial	11/22/2006	Ongoing
Oahu	Waialua Dillingham Airfield and Glideport	State Site File Review	7/6/2004	Ongoing
Oahu	Waialua Waialua Sugar Co Inc Waialua Sugar Mill and Settling Ponds	PA/SI PA1/SI1	1/15/2001	3/1/2006
			A to R SI Complete/Ponds to State Site, Mill site to VRP	
Oahu	Waialua Waialua Sugar Mill VRP Project	VRP Site Assessment	1/4/2005	Ongoing
		Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.		
Oahu	Waianae Fong Property Kapiki Junk Yard	State Site File Review	1/31/2002	Ongoing
Oahu	Waianae Hakimo Road Open Dump	State Site File Review	1/3/2006	Ongoing
Oahu	Waianae Hawaiian Electric Co (HECO) Mikilua Substation	State Site File Review	5/20/2004	Ongoing

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Waianae Industrial Technology Lualualei Homestead Rd	State Site File Review (med)	11/22/2004 Ongoing	Priority Med
Oahu	Waianae Waianae Private Landfill Waianae Landfill Fire	State Site File Review	1/31/2002 Ongoing	
Oahu	Waiawa Waiawa Ridge Development Project Waiawa Ridge Development AOC	State Site File Review	9/28/2006 Ongoing	
Oahu	Waimanalo Hawaiian Electric Co., Inc. (HECO) HECO Transformer 27728 (Vault 3032)	State Site File Review	10/12/2006 Ongoing	
Oahu	Waimanalo University of Hawaii Waimanalo Experimental Farm	State Site Site Assessment	4/13/2005 Ongoing	Priority Low
Oahu	Waimanalo Waimanalo Areawide Groundwater Contamination	State Site File Review	5/20/2004 Ongoing	
Oahu	Waipahu 94-500 Kamehameha Hwy	State Site File Review	10/23/2004 Ongoing	
Oahu	Waipahu Complete Auto Repair and Estimates Five Hydraulic Hoists Removed	State Site Unregulated UST	9/30/2005 SDAR NFA No Further Action (NFA) Letter for Unreg UST	10/13/2005
Land Use Restriction and Type of Institutional Control: This facility is available for unrestricted use.				
Oahu	Waipahu Hawthorne Pacific Corporation	State Site File Review	9/11/2006 Ongoing	

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Island:	Locality:	Response Program Name:	Start Date:	End Date:
	Facility / Site Name:	Project Activity:	Project Status:	
Oahu	Waipahu Mill Town Subdivision VRP Waipahu Sugar Mill Diesel Plume	VRP Site Assessment	8/16/2006 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control.				
Oahu	Waipahu Royal Kunia Elementary School	State Site File Review	10/18/2006 Ongoing	
Oahu	Waipahu Waipahu St Dump Site	State Site File Review	4/22/2005 Ongoing	
Oahu	Waipahu Waipahu Sugar Mill VRP Lot 32 Diesel and Solvent Plume	VRP Site Assessment	3/16/2004 Ongoing	
Land Use Restriction and Type of Institutional Control: The site is under evaluation for land use control. Deed Restriction on property to prevent use of groundwater on the site (existing wells on site locked and signed out), and prevent drilling of wells without express approval of HDOH.				

APPENDIX B
DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH ADMINISTRATION
HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE
RELEASE NOTIFICATION LOG

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DEPARTMENT OF HEALTH RELEASE NOTIFICATION LOG

The Department of Health Hazard Evaluation and Emergency Response Office Emergency Response Release Notification Log is presented in this Appendix B. The list presents a listing of all chemical and petroleum release notifications received during the fiscal year. The Release Notification Log is sorted in order by island, locality, and the case number.

During FY 2006, the HEER Office received 341 emergency response notifications. Hazardous Evaluation and Emergency Response (HEER) Office State On Scene Coordinators (SOSCs) performed site visits and/or off-scene coordination for 88 hazardous chemical or petroleum release cases. Fourteen cases were referred to the HEER Office Site Discovery, Assessment and Remediation (SDAR) Section for prioritization, 2 cases were referred to the HEER Office Hazard Evaluation Section, and 7 sewage spill notifications and 40 other cases were referred to other agencies. Twenty-two training drill notifications were also reported.

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Department of Health
Hazard Evaluation and Emergency Response Office
Emergency Response Release Notification Log FY 2006

Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
	Pacific Ocean	20060501-0827 Unknown Sheen Pacific Ocean	Caller reporting unknown sheen sighting.	SOSC NFA
Hawaii	Hilo	20050803-1006 Allegations of Release 816 Kinoole St	According to complainant, over a period of 2.5 months, there have been allegations of illegal drug making activity from Apt. 107, directly below complainant's unit, Apt. 208. Samples had been taken, screened by HazMat, sent to HEER via Hawai'i State Lab.	SOSC NFA
	Hilo	20051010-1350 Alpine Air Fuel Release Airport Access Rd	Aircraft landing strut failed causing airplane to tilt thus fuel was released from vent.	SOSC NFA
	Hilo	20051013-1245 Chevron Abandoned Pipeline Release - Silva Street Silva St	Release discovered yesterday as they are removing black oil from pipeline located on State land, approximately 4 - 6 inches below grade; still in the process of draining oil, 330 gallons to date. Pipeline is attached to Tank 19 owned by Chevron	SOSC NFA
	Hilo	20051020-1550 Moncide Release 50 Makaala St	2 containers of Moncide & Capsil fell off a truck and spilled onto Hwy. 19 adjacent to Honolii Bridge.	Refer to SOH DOT Hawaii
	Hilo	20051023-0454 Hilo Medical Center 200+ diesel release 1190 Waianuenue Ave	Above ground storage tank overflowed	SOSC NFA
	Hilo	20051107-1428 Hilo Harbor Pier 3 Pipeline Removal Hilo Harbor Pier 3	Decommissioned fuel oil 10-inch pipeline removal project, approx 200 feet long	SOSC NFA
	Hilo	20051123-0823 Building Materials Survey - Typewriter Cleaning Station 708 Kanoelehua Ave	Notification only	SOSC NFA

Department of Health
Hazard Evaluation and Emergency Response Office
Emergency Response Release Notification Log FY 2006

Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Hawaii	Hilo	20051128-0904 670 Ponahawai Street Allegations 670 Ponahawai St	Woman alleges that chemicals used for X-ray spilled over a period of time and she has been experiencing tightness of the chest, hurting of the nose, blistering on skin that popped and turns blue. Incident occurred 5 months ago but symptoms still persist.	Refer to Hazard Eval Section
	Hilo	20060320-0701 Hilo Harbor Sheen Hilo Harbor	Sheen Reported In Hilo Harbor	Refer to CWB
	Hilo	20060323-1540 Kuhio Dental 111 E Puainako	Hilo Fire Hazmat call o f elemental mercury spilled on sidewalk at rear of Kuhio Dental on Ohuhu st side.Contamination possible into dental office. Hazmat mitigated (berm and cover). Shoes of office personnel left at scene. No definite RP, HEER/ PENCO	SOSC NFA
	Hilo	20060424-0643 Partial Sunken Vessel Hilo Harbor	Partially sunken vessel being towed to Hilo Harbor pier.	SOSC NFA
	Hilo	20060505-0904 Diesel Oil Release Pier 2 Hilo Harbor	Release of diesel fuel from a barge generator due to a broken hoseline.	SOSC NFA
	Honolulu	20051019-0924 Hawai'i Petroleum Overturned trailer Highway 19 - 13 mile marker	Rear trailer of tanker overturned; breached, releasing diesel. Incident is located approximately 150 yards from the ocen.	SOSC NFA
	Kailua-Kona	20050705-1100 HELCO Transformers10459, 10460, 10461 on Pole 18 Release Kaloko Drive	Release due to car accident 10459 - no release; 10460 - 20 gallons; 10461 - 20 gallons	SOSC NFA
	Kailua-Kona	20050705-1105 HELCO Pole-Mount Transformers 10460 and 10461 Releases 73-1427 Kaloko Dr	Vehicle accident shattered the utility pole holding the transformers	SOSC NFA

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Emergency Response Release Notification Log FY 2006

Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Hawaii	Kailua-Kona	20060104-0843 Pride of America - Cruise ship Kailua Bay	Oil seeping from line on tender platform. 8 oz into water, sheen, light rainbow in color, 10 x 2 ft. 10 mins to disperse. Equipment failure.	SOSC NFA
	Kailua-Kona	20060105-0638 Hydraulic Oil Release 1-4-06 Kailua Bay	Hydraulic hose to access platform ruptured releasing approx. 15L (3.75 Gal) of hydraulic oil into Kailua Bay	SOSC NFA
	Kailua-Kona	20060109-0723 Hydraulic Oil Release 1-7-06 Kailua Bay	Leaking Hydraulic Hose from Access Platform	SOSC NFA
	Kailua-Kona	20060109-0724 Hydraulic Oil Release 1-08-06 Kailua Bay	Leaking Hydraulic Hose from Access Platform	SOSC NFA
	Kamuela	20051215-1456 HELCO Pad-Mount Transformer #7801 66-1591 Kawaihae Rd	Rust-decayed transformer housing	SOSC NFA
	Kawaihae Harbor	20060526-1630 Chocolate Mousse	Caller reporting a chocolate mousse on the water.	SOSC NFA
	Keaau	20050725-0940 Keaau 55-Gallon Drums (7) Dumping	Caller reported that someone dumped 7 55-gallon drums on the side of the road. No material is released.	SOSC NFA
	Kohala Coast	20060629-0930 Former Meridian Hawaii Resort Transportation Facility release off Mauna Lani Drive	Abandoned former maintenance facility	SOSC NFA
	Pohakuloa	20051207-1622 Big Island Topsoil Overturn Tanker Fuel Spill	Diesel (50 gals) and oil (15 gals) fuel spill due to overturn tanker.	SOSC NFA

Department of Health
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Emergency Response Release Notification Log FY 2006

Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Hawai'i	Waikoloa	20050817-0750 Waikoloa Colony Villas chlorine release 69-555 Waikoloa Beach Dr	Pressurized chlorine explosion releasing approximately 3 pounds of chlorine. Chlorine tablets used for a swimming pool. No injuries.	SOSC NFA
Kauai	Haena	20051011-0940 Haena Beach alleged tar balls Haena	Allegations of tar balls on shore at Haena Beach	SOSC NFA
	Hanamaulu	20050701-1145 Discharge of Chlorinated Water Maalo Rd	Crack in distribution pipeline causing the release of the chlorinated water to be released into Hanamaulu Stream.	SOSC NFA
	Hanapepe	20051230-0800 Gasoline Release 12-21-05 1-3680 Kaumualii Hwy	Gasoline released from nozzle by accident	SOSC NFA
	Kamakani	20060606-1200 Allegations of Morgellon's Disease 3rd Row House #200	complaint that orange beads ooze from skin and that in time beads burst and release fibrous materials	SOSC NFA
	Kapaa	20050823-1046 Olohena Bridge Fire Extinguisher Vandalism Olohena Bridge	Dry chemical fire extinguisher was vandalized and discharged into a stream	SOSC NFA
	Kealia	20060303-1203 Unknown Gas Cylinder - Donkey Beach Donkey Beach	Unknown Compressed Cylinder at Donkey Beach Kauai	Refer to USCG
	Koloa	20051010-1300 CRC Industries, Inc. 2-26 Dumping Koloa	Kauai Police dropped off a container of 2-26; pint-size; label affixed.	SOSC NFA
	Kulana	20060424-0933 Kulana Subdivision Alleged Dumping Kulana Subdivision	Allegations of illegal dumping of cars, batteries, oil barrels, paints, solvents, etc.	Refer to SHWB

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Emergency Response Release Notification Log FY 2006

Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Kauai	Lihue	20050720-0945 Unknown Odor 4444 Rice St	Report of unknown odor.	SOSC NFA
	Lihue	20050815-1044 Kauai Island Utility Cooperative, Rice Street Transformer Spill fronting 3990 and 4004 Rice St	48 gallons of transformer oil spill as a result of a vehicle hitting a utility pole	SOSC NFA
	Lihue	20050926-0659 Nawiliwili Harobr - Pier 2 Bilge Slop Release Pier 2	Bilge slop release due to operator error	Refer to CWB
	Lihue	20051122-1515 Air Services - NRC 780269 3901 Mokulele Loop	50 gallon jet fuel released when helicopter was being refueled; 45 gallons recovered	SOSC NFA
	Lihue	20051219-1115 Housing Agency - Piikoi Building odor 4444 Rice St	Sewer-type gas odor reported isolated in the Kauai County Housing Agency office	SOSC NFA
	Lihue	20060527-1228 Methyltrichlorosilane Release 3038 Aukele St	Valve leak on a cylinder	SOSC NFA
	Nawiliwili	20051021-1124 Matson Navigation Rolo Barge Vegetable Oil Release Nawiliwili Harbor	Release of vegetable oil from a rolo barge	SOSC NFA
	Port Allen	20050809-1000 Blue Dolphin Alleged Diesel Release Port Allen Small Boat Harbor	Alleged Diesel release from vessel docked at Port Allen	SOSC NFA

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Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Kauai	Port Allen	20051206-0955 UST Release - Port Allen Port Allen	No. 6 oil released during grading of undevelop land above harbor. Heavy equipment ran over UST, oil in vault contained, estimated 50 gallons observed in trench. Caller will call environmental company to handle clean up.	Refer to SDAR
	Waialeale	20050817-1446 Waialeale Boat Tours, Inc. Abandoned Vessels Wailua River	5 vessels have been abandoned. Vessels have diesel and engine oil leaking into the water. USCG has contracted with Unitek to conduct cleanup	SOSC NFA
	Wailua	20050827-1200 Fugitive Orange Unmarked 55-gallon drum Wailua Bay	Fugitive Drum ashore, coming into Wailua Bay	SOSC NFA
	Wailua	20051012-1200 Loose Marine Buoy between Marine Camp (southend of Wailua Golf Cours	Red/white object with chain attached with bowling ball size of something on ocean. At 1448, it was identified as a buoy and turned over to the USCG	SOSC NFA
Maui	Hana	20060121-1220 P/V Alenui Aground Hana Bay	P/V Alenui hard aground at Hana Bay Maui	SOSC NFA
	Kaanapali	20050801-0900 Underground storage tank diesel release 2481 Kaanapali Pkwy	Exempt UST release; discovered during 1,000 gallon steel tank removal; soil samples taken and analytical results reveal contamination	Refer to SDAR
	Kahului	20051122-1500 Pride of America - Norwegian Cruise Line 780357 Per "Fat"	Hydraulic oil release	SOSC NFA
	Kahului	20051220-1452 MECO Pad-Mount Transformer #15273 210 West Kamehameha Ave.	During construction the contractor damaged the transformer	SOSC NFA

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Island:	Locality:	Release Case Identification:	Incident Description:	SOSC Conclusion:
Maui	Kahului	20060216-1704 MECO Pad-Mount Transformer #6115 210 West Kamehameha Ave.	Rust decayed Transformer	SOSC NFA
	Kahului	20060424-1431 MECO Pole-Mount Transformer No. 6492 corner of Puunene and Kaahumanu Ave	Rust-decayed transformer housing	SOSC NFA
	Kahului	20060502-1402 MECO Pad-Mount Transformer No. 11781 635 Mua St	Rust-decayed transformer housing	SOSC NFA
	Kahului	20060623-1345 MECO Pole-Mount Transformer No. 4353 605 Hina Ave	Rust-decayed transformer housing	SOSC NFA
	Kapalua	20050831-1630 MECO Pad-Mount Transformer No. 5186 5900 Lower Honoapiilani Hwy	Rust-decayed transformer housing releasing < 25 gallons non-PCB mineral oil	SOSC NFA
	Kihei	20050802-1605 Off shore of Kihei Maui Kihei Rd	The caller is reporting the discovery of a dark colored drum in the Pacific Ocean.	Refer to USCG
	Kula	20060420-1416 MECO Pad-Mount Transformer No. 6364 128 Hoopalua Dr	Rust-decayed transformer housing	SOSC NFA
	Lahaina	20051129-1213 Sprit of Lahaina Oil Spill	Material released from vessel (charter) due to a bilge failure.	SOSC NFA
	Lahaina	20051227-1459 Non-Release Bucket of Oil Bear	A 5 gallon bucket of oil is sitting on the dock.	SOSC NFA

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Maui	Maalaea	20050817-1353 Hawaiian Commercial & Sugar Company, Waikapu Stream Sugar Release Waikapu Stream	Mixture of water and sugar spilled into a Waikapu Stream from an opened valve on a tanker truck	Refer to CWB
	Maalaea	20050829-1014 Unknown Sheen - Pacific Ocean Pacific Ocean	Reporting an unknown sheen sighting.	SOSC NFA
	Makena	20050909-1031 Herbicide Spraying - Makena Road	County agency spraying herbicide illegally.	Refer to DOA
	Nahiku	20060613-0805 Grolsch Bottle Mercury Release 360 Hana Hwy	Tenant Glen Simkins dropped bottle containing 16 oz. Mercury onto the ground under the house, Mercury seeped into the soil	SOSC NFA
	Paia	20060622-1346 MECO Pole-Mount Transformer No. 14531 next to Paia Community Center	Rust-decayed tranformer housing	SOSC NFA
	Pukalani	20050929-1628 MECO Pad-mount Transformer No. 8939 Release 2685 Keikilani St	Rust-decayed transformer housing released less than 25 gallons of non-PCB mineral oil	SOSC NFA
	Puunene	20050921-0900 Heat Exchanger Hydraulic Oil spill 100 gal 1 Hansen Rd	Heat Exchanger in Puunene Mill had Hydraulic Oil leak overnight. On concrete and some in irrigation ditch, closed loop. Boom in ditch, cleanup done in mill. Will do follow up. Written: 9/27/05 Portion of oil spill on concrete , cont in SOSC report	SOSC NFA
	Puunene	20051010-1515 Sugarcane Field 506 - Illegally Dumped Used Oil Barrel Hansen Rd	Illegally dumped 55-gallon containing used oil; approximately 45 gallons dumped on ground; remaining oil in container passed chlor-d-tect	SOSC NFA

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Maui	Puunene	20051102-0915 Field #605 1 Hansen Rd	Found Used Oil Dumped on Field #605	SOSC NFA
	Puunene	20051209-0841 Cane field 920 1 Hansen Rd	Illegal dumping of 75 gal motor oil, 10 gal paint thinner. 1-55 gal drum, 6-5 gal pails. Left in field.	SOSC NFA
	Puunene	20060316-0857 Field 914 dumping of 55 gal drum 1 Hansen Rd	55 gal drum dumped in field 914, picked up, tested, used motor oil. Not contaminated, will burn in boiler.	SOSC NFA
	Puunene	20060316-0858 50-55 gal Hydraulic Oil spill 1 Hansen Rd	50-55 gals hydraulic oil spill, part of spill into mill basement, part into closed wastewater system. Booms, absorbents used. Booms recycled oil, absorbents burned in boiler.	SOSC NFA
	Puunene	20060328-1033 Hydraulic Oil - Plantation Road 1 Hansen Rd	Hydraulic oil released due to ruptured fuel line from planter machine.	SOSC NFA
	Wailea	20050817-1314 Wailea Beach release	Caller is reporting a release of raw sewage from an unknown source.	Refer to WWB
	Wailuku	20051128-1525 Pole Mount Transformer #15963, 15964, 15965 368 North Market St	Vehicle accident knocked transformers from pole	SOSC NFA
	Wailuku	20060320-1107 Pole mount Transformer #3025 368 North Market St	Due to Corrosion of housing	SOSC NFA
Oahu	Aiea	20060113-1025 Hawaiian Cement 99-1100 Halawa Valley St	Used oil containers leaking in facility, discovered by SHWB. Excavated about 80 cubic yards of stained soil in facility.	SOSC NFA

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Oahu	Aiea	20060306-1000 98-060 Puailima Place Mercury Spill 98-060 Puailima Pl	Blood pressure kit containing mercury broke in a vehicle	SOSC NFA
	Barbers Point	20050924-1211 CSK Shelton Release Barber's Point Single Point Mooring	Crude oil release	SOSC NFA
	Fort Shafter	20060523-1154 Fort Shafter Bollard 1557 Pass St	Hydraulic line attached to a bollard was ruptured when it was struck by a vehicle	Refer to SDAR
	Haleiwa	20050720-1340 Gross Contamination from Hoist Removal 59-186 Kamehameha Hwy	During removal of hoist, observed gross contamination of soil believed to be from heavy waste oil; smell of solvents also observed	Refer to SDAR
	Haleiwa	20050725-1030 Contaminated Soils from Test wells 59-186 Kamehameha Hwy	While conducting sampling of soil borings (SB-5 - SB-10) it was discovered that the soils collected were contaminate with various Diesel and Petroleum products.	Refer to SDAR
	Honolulu	20050705-1242 R/V Fair Lady - Slip C10 Sunken Vessel 50 Sand Island Access Rd	R/V Fair Lady - Sunken vessel	SOSC NFA
	Honolulu	20050711-1625 Pier 51 Vegetable Hydraulic Oil Spill Matson Navigation Company	Caller reporting a release of vegetable hydraulic oil onto the ground and into Honolulu Harbor Pier 27 from a stern thruster due to unknown causes.	SOSC NFA
	Honolulu	20050721-0918 Sheen on Pier 19, 20 - Parts of Pier 21 Pier 19	Light sheen - possible rain runoff.	SOSC NFA
	Honolulu	20050722-1023 Pier 33 Fuel Spill - Vessel Naupaka	While bunkering, the tug boat had a burp in the air vent and released diesel into the water.	SOSC NFA

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Oahu	Honolulu	20050722-1330 Swiss Port Fueling Incorp overfill 300 Rodgers Blvd	Swiss Port fueling Aloha Airlines flight 442 to Santa Ana, CA. Overfilled by 15 gal on the ground. Swiss port did cleanup, completed by 13:20. Non in drain, plane no. N748AL.	SOSC NFA
	Honolulu	20050727-1324 Gate 23 Jet-A Fuel Spill 300 Rodgers Blvd	Fuel spill due to vehicle subpump overflow during refueling.	SOSC NFA
	Honolulu	20050805-1424 Fuel Bladder on Sandy Beach Kalaniana'ole Hwy.	A fuel bladder has washed on the shore of Sandy Beach, the origin of the container is unknown at this time. There is about 500 gallons of an unknown material inside of the container. HFD Hazmat I on scene at this time.	Refer to USCG
	Honolulu	20050805-1442 Waipahu Auto Company	Hydraulic Lift Closure	Refer to SDAR
	Honolulu	20050808-1408 Yellow Transportation Truck Antifreeze spill Honolulu International Airport	Automobile water pump broke, 2-3 gals of fluid total onto concrete. Trace amount went into drain, less than 2 pints. Cleanup crew found only trace amounts in drain.	SOSC NFA
	Honolulu	20050809-0816 1622 Sherman Park Place Whitish Substance on Stream 1622 Sherman Park Place	Report of a whitish substance in Waileni Stream	Refer to CWB
	Honolulu	20050810-0647 Aloha Airlines 5 gallon Hydraulic oil spill 371 Aokea Place	Spill from Gate 23 Maintenance Airport to Hangar. Spill did not leave facility.	SOSC NFA
	Honolulu	20050822-0630 Anhydrous Ammonia Release 2277 Kamehameha Hwy	Release of Anhydrous Ammonia into the air via a broken Relief Valve	SOSC NFA

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Oahu	Honolulu	20050822-0645 10 Gal Hydraulic Oil 300 Rodgers Blvd	Broken hydraulic line from a transport truck	SOSC NFA
	Honolulu	20050822-0830 Noxious Odor Release 5850 Paiea St	Release of Noxious Odors	Refer to HIOSH
	Honolulu	20050823-1056 Pier 38 Oil Sheen Nimitz Hwy	Oil Sheen observed at Pier 38	SOSC NFA
	Honolulu	20050823-1601 Oil Sheen fronting Pier 17 Nimitz Hwy	OPII Sheen fronting Pier 17	SOSC NFA
	Honolulu	20050826-0945 G-Dock Ala Wai Harbor G-Dock, Ala Wai Harbor	Caller reported unknown sheen in Ala Wai Harbor.	SOSC NFA
	Honolulu	20050829-1634 22-foot aground vessel off Runway 26L	22-ft fiberglass hull broke from its mooring; no identifying marks	SOSC NFA
	Honolulu	20050830-1503 Unknown Sheen Ala Wai Boat Harbor Ala Wai Boat Harbor	Caller is reporting an unknown sheen in the Ala Wai Boat Harbor.	SOSC NFA
	Honolulu	20050830-1503 Unknown Sheen Ala Wai Boat Harbor Ala Wai Boat Harbor	Caller is reporting an unknown sheen in the Ala Wai Boat Harbor.	SOSC NFA
	Honolulu	20050831-1053 Jet A Fuel Release 90 Nakolo Place	50 Gallons of JP-8 Released on the the asphalt	SOSC NFA

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Oahu	Honolulu	20050901-0934 Unknown Sheen (NRC#771204) G-Dock, Ala Wai Harbor	Caller stated there was an unknown sheen spotted in Ala Wai boat Harbor.	SOSC NFA
	Honolulu	20050901-0935 Unknown Sheen (NRC #771205) G-Dock, Ala Wai Harbor	Reporting an unknown sheen sighting.	SOSC NFA
	Honolulu	20050901-1525 B-1 Bomber Emergency Grounding Honolulu Internationa Airport	B-1 bomber emergency grounding 150 feet west of Runway 8L, 4L intersection trail to aircraft, releasing 25 gallons of hydraulic fluid	SOSC NFA
	Honolulu	20050901-1712 Hydraulic Fluid Release 300 Rodgers Blvd	Broken Hydraulic Line from aircraft, resulting fluid to be released onto the asphalt	SOSC NFA
	Honolulu	20050906-1122 Weathered Petroleum Discovered during Pole Excavation 855 N Nimitz Hwy	Weathered Petroleum Discovered During Power Pole Installation	Refer to SDAR
	Honolulu	20050908-0851 Ala Wai Boat Harbor Sheen Sighting NRC 771843	Reporting an unknown sheen sighting.	SOSC NFA
	Honolulu	20050908-1010 Unknown Sheen - Pier 19	Reporting unknown sheen sighting.	SOSC NFA
	Honolulu	20050908-1612 Pier 30 Tug Boat Fuel Spill 777 N Nimitz Hwy	Discharged of diesel fuel occurred aboard the Tug "Miki Miki" during refueling operation.	SOSC NFA
	Honolulu	20050916-1620 Oily Water Spill at Central Avenue and Lake Erie Street Central Ave	Spill occurred when contractor moved non empty tanks to reach an empty one slated for removal.	SOSC NFA

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Oahu	Honolulu	20050926-1645 Unknown Sheen NRC # 773943 Ala Wai Marina	Unknown sheen - greenish, purplish sheen on the marina located in front of Hawai'i Prince Hotel	SOSC NFA
	Honolulu	20050926-1653 Ala Wai Sheen NRC # 773942 Ala Wai	Unknown sheen	SOSC NFA
	Honolulu	20050930-1028 HECO Pole Mount Transformer 33277 670 Halekawila	Transformer exploded releasing oil onto the ground and storm drain	SOSC NFA
	Honolulu	20051004-1630 Aircraft Service International Group Security Breach 6 and 52 Sand Island Access Rd	No release of hazardous substances - Breach in security	SOSC NFA
	Honolulu	20051007-1316 Unknown Sheen 775367 Kewalo Basin Small Boat Harbor	Unknown Sheen	SOSC NFA
	Honolulu	20051012-1000 Kalanimoku Building Picric Acid 1151 Punchbowl St	1 sealed, unopened amber jar containing 1 pound of crystallized picric acid reported by Department of Land and Natural Resources, Room 330	SOSC NFA
	Honolulu	20051025-1040 Pier 16 Honolulu Harbor, Oily rags Pier 16, Honolulu Harbor	Oily rags on pier with potential to cause a sheen in water	SOSC NFA
	Honolulu	20051025-1110 Kewalo Basin Unknown Sheen 777414 Kewalo Basin	Unknown sheen reported. According to caller, approximately 200 gallons of diesel were released. Source unknown.	SOSC NFA

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Oahu	Honolulu	20051025-1618 Bunker-C Saturated Sand 373 N Nimitz Hwy	Petroleum contaminated soil uncovered as HECO was uncovering their in-service pipeline (pipeline leads from Iwilei to Honolulu Power Plant). Contamination encountered approximately 3.5 below ground surface; excavation did not reach groundwater	SOSC NFA
	Honolulu	20051025-1631 HECO 3-phase transformer release Kamakee St & Kona St	Release from a transformer; possible cause: rotten pole. No impact to storm drain. Non-PCB oil	SOSC NFA
	Honolulu	20051026-0759 Dive Oahu Inc. alleged release NRC 777471 Kewalo Basin	Alleged release of diesel fuel	SOSC NFA
	Honolulu	20051026-1651 Ala Wai Boatyard Vessel Release NRC 777583 1651 Ala Wai	Release while doing maintenance on a vessel	SOSC NFA
	Honolulu	20051102-1510 Leaking Container CAXU701860 Sand Island Parkway	While loading container onto transport truck it was discovered the container to be leaking at the doors.	SOSC NFA
	Honolulu	20051107-1000 2014 Lime Stree Alleged Odorless Odor 2014 Lime St	Complainant could not sleep on 11/06 around 10:00 p.m. - 11:00 p.m. because of an alleged odorless odor; believed to be coming from a neighbor's apartment..	Refer to CAB
	Honolulu	20051107-1509 Illegal Dumping - Pacific Ocean Sand Island Access Rd	Reporting party reporting a material release fro a vessel due to illegal dumping.	SOSC NFA
	Honolulu	20051110-1513 Sause Brothers Pier	Reporting a unknown sheen sighting in the Honolulu Harbor	SOSC NFA

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Oahu	Honolulu	20051116-1220 Fuel Oil (Diesel) Release 205 Beach Walk Ave	Sheen discovered in ground water during trench excavation at construction site. Release date unknown. No odor detected. Soil stained from saturation. Absorbents used for cleanup. Water being pumped out to located source; search for UST if any.	SOSC NFA
	Honolulu	20051118-1050 Failed gasket on fuel truck at Commuter Terminal (small planes) 100 Kaulele Pl	Jet Fuel spilled onto a concrete surface from a failed gasket on a fuel tank. 150 gallons JP-4 fuel, none into storm drain. Fire dept on scene, cleanup done with vacuum truck, absorbents, kitty litter. Gasket to be fixed.	SOSC NFA
	Honolulu	20051122-0808 777 N Nimitz Highway 777 N Nimitz Hwy	Unknown sheen reported	SOSC NFA
	Honolulu	20051122-1559 Allegations of Dumping - PURAIR Hawaii 1143 Young St	Anonymous complainant alleging that PURAIR Hawaii dumping in an abandoned cesspool	Refer to WWB
	Honolulu	20051123-0012 Honolulu Harbor, Pier 17 - 19, Sheen Sighting Honolulu Harbor, Pier 17 - 19	Sheen sighting, from source unknown	SOSC NFA
	Honolulu	20051130-1056 Pier 13 & 14 Unknown Sheen	Caller stated an unknown sheen was discovered at Honolulu Harbor from unknown sources. Amount: unknown	SOSC NFA
	Honolulu	20051205-1143 Makiki Stream, Kalakaua and Philip Streets Makiki Stream	Flow of oil going into Makiki Ditch, which leads into Ala Wai. No sheening observed at Philip/Kalaukua upstream (mauka), sheening observed from Philip/Kalakaua makai to Kalaulaua/Fern, to Hauoli/Kapiolani to back of HardRock downstream.	Refer to CWB

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Oahu	Honolulu	20051206-1010 Chlorine Release 2255 Kalaukua Ave	Explosion of Pool Chlorinator due to lack of maintenance	SOSC NFA
	Honolulu	20051210-1241 Honolulu Marathon Concert/Luau 2005 Waikiki Shell	Received call from Dr Hori of Queens Health Care Facility. Several marathon runners have come down with food poisoning.	Refer to EPI
	Honolulu	20051212-0915 Sheen on Piers 19 -21 Pier 19	Reported rainbow sheen on Piers 19, 20, 21	SOSC NFA
	Honolulu	20051213-1653 Jet Fuel Release - Gate 1 300 Rodgers St	UAL personal discovered diesel on the ground adjacent to the fueling facility on 12-13-05 @ 4:15 pm.	Refer to SDAR
	Honolulu	20051219-1130 Punchbowl and Beretania Abandoned Drum Beretania St & Punchbowl St	Report of an abandoned 55-gallon black metal open-top drum.	SOSC NFA
	Honolulu	20051222-0856 Sheen Ala Wai Boat Harbor	Unknown Sheen Ala Wai Boat Harbor	SOSC NFA
	Honolulu	20051223-0837 Sheen Pier 30-31	Aloha Tower called in. Sheen at Pier 30-31. No source known.	SOSC NFA
	Honolulu	20051223-0917 Oil, Misc: Motor/with water 300 Rodgers Blvd	Caller stated there was a release of materials from an air conditioner truck due to unknown cause.	SOSC NFA
	Honolulu	20051230-1306 Oil release onto roadway 5 Sand Island Access Rd	Oil on roadway	Refer to State Harbors
	Honolulu	20051230-1450 Jet Fuel Release 783886 300 Rodgers Blvd	Release of Jet A fuel while filling jet at gate 25	SOSC NFA

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Oahu	Honolulu	20051230-1630 Anhydrous Ammonia Release Okada Co. 1000 Queen St	Release of Anhydrous Ammonia from Refrigeration unit	SOSC NFA
	Honolulu	20060111-0837 Unknown Oil Release USGC Station Piers	Unknown Oil found surrounding USCG Piers	SOSC NFA
	Honolulu	20060112-0950 600 Queen Street Lead Contamination 600 Queen St	Lead contamination reported; site characterization and remediation using institutional controls being conducted (EnvironServices working with Mark Sutterfield)	Refer to SDAR
	Honolulu	20060112-1116 Security Breach Pier 53, Honolulu Harbor	Caller reported a security breach involving a "cut fence line".	SOSC NFA
	Honolulu	20060113-0856 Oil Sheen Pier 19 from 0 ft mark to 100 ft mark Pier 19	Notice called in from Aloha Tower. Thinks it was stirred up from silt in harbor when ship docked.	SOSC NFA
	Honolulu	20060115-1215 Sewage Spill Kaluaopalena Street 2238 Kaluaopalena St	110 gallons of sewer spill, 2 gallons entered storm drain.	Refer to CWB
	Honolulu	20060115-1216 Lanakila Street and Keola Street Rodent Problem Lanakila St & Keola St	Rodent problem reported by the Honolulu Police Dept.	Refer to Sanitation
	Honolulu	20060117-1203 Hydraulic Oil Release Gate 13 371 Aokea PI	Broken Hydraulic Line to container loader	SOSC NFA
	Honolulu	20060120-1130 Hawaii State Capitol Unknown White Powder Executive Chambers	Unknown white powder released from an envelope	SOSC NFA

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Oahu	Honolulu	20060123-0900 Queen's Medical Center Alleged Improper Storage 1301 Punchbowl St	Anonymous complaint of improper storage of formaldehyde	SOSC NFA
	Honolulu	20060123-0920 Rainbow Sheen Pier 23 Pier 23	Rainbow sheen reported at Pier 23. Source unknown. Caller said sheen to be approx 5' wide and 40' long.	SOSC NFA
	Honolulu	20060123-0930 749 Mahiai Street 749 Mahiai St	Possible Methamphetamine house	SOSC NFA
	Honolulu	20060123-1642 Mixed Water and Diesel Fuel Serra Docks 17 & 18	Caller reporting a release from an abandoned pipeline with a hole in it during removal operations.	SOSC NFA
	Honolulu	20060124-0813 Hydraulic Oil Release 1-24-06 700 Bishop St	Release of Hydraulic Oil from platform hoses.	SOSC NFA
	Honolulu	20060124-1120 Across the Street from 1220 Kaumualii Street Buckets	7 buckets abandoned	SOSC NFA
	Honolulu	20060125-1023 Unknown Sheen 786261 Honolulu Harbor Pier 26	Sheen fronting Piers 26-27	SOSC NFA
	Honolulu	20060131-0645 Pacific Tank Cleaning Service, Inc. NRC 786790 Pier 41	While defueling a diesel fuel tank, hose's connection was not properly secured	SOSC NFA
	Honolulu	20060131-1055 1929 Makiki Street alleged fumigant leak 1929 Makiki St	Allegations that house next door getting termite treatment may be leaking	SOSC NFA

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Oahu	Honolulu	20060131-1140 Sand Island - Unknown Source of Sheen 6 Sand Island Access Rd	Tesoro representative reported sheen in groundwater, approx 5 - 6 ft bgs	SOSC NFA
	Honolulu	20060131-1222 Hole in Fence Pier 51 B Sand Island Parkway	Security Guard discovered a small hole in the fence adjacent to Pier 52	SOSC NFA
	Honolulu	20060207-1511 Kahului Airport Gate 29 100 Kaulele Pl	Jet Fuel spilled onto a concrete surface from a failed gasket on a fuel tank. 50 gallons JP-8 fuel, none into storm drain. Absorbents, kitty litter applied. Gasket to be fixed.	SOSC NFA
	Honolulu	20060213-1328 Unknown Sheen Incident - 7878955 Kewalo Basin	Unknown sheen was found inside Kewalo Basin.	SOSC NFA
	Honolulu	20060227-1400 F/V Pacific Paradise at Pier 38, Honolulu Diesel Spill Pier 38, Honolulu Harbor	Release of diesel during fueling operations; fishing vessel's crew poured Dawn into ocean in attempts to "clean up" spill	Refer to CWB
	Honolulu	20060317-1641 Edison Chouest Offshore- Diesel Release Pier 34	Diesel release into Honolulu Harbor	SOSC NFA
	Honolulu	20060318-1547 Pole Transformer # 66190 850 Ward Ave.	Due to Corrosion Transformer released partial contents onto roadway and into storm drain	SOSC NFA
	Honolulu	20060325-1143 Ala Wai Canal, Sewage Spill Ala Wai Canal	Up to 48 million gallons raw sewage spill resulting from a 42-inch main pipeline.. Health warnings posted warning swimmers to stay out of the water	Refer to CWB

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Oahu	Honolulu	20060329-1615 USCG Cutter Kukui Spill - Sand Island	1500 gallons of diesel fuel oil spilled into Honolulu Harbor from a loose fitting on a fuel hose on board. Absorbent boons placed in water. Clean up in progress.	SOSC NFA
	Honolulu	20060331-1000 Pier 32 Entrance Canal Pier 32 State access road off Nimitz Hwy	Sheen and black oil coming down stormdrain from Nimitz direction during heavy rains	Refer to SDAR
	Honolulu	20060331-1105 Unknown Sheen Nimitz Hwy East of Pier 11	Unknown sheen sighted in the Honolulu Harbor	SOSC NFA
	Honolulu	20060413-1335 Malathion affecting Aina Haina Elementary School 5271 Makalena St	43 children overcome by chemical believed to be malathion	SOSC NFA
	Honolulu	20060424-0641 Unknown Sheen NRC 794823 Ala Wai Blvd	Unknown Sheen sighted in the Ala Wai Canal	SOSC NFA
	Honolulu	20060501-0828 Unknown Sheen Ala Wai Canal (795539)	Unknown sheen from unknown source.	SOSC NFA
	Honolulu	20060501-0829 Unknown Sheen Ala Wai Yacht Harbor 795639	Unknown sheen sighting	SOSC NFA
	Honolulu	20060508-1013 Vegetable Based Hydraulic Oil Spill Honolulu Harbor Pier 52	Barges stern thruster leaked material into Honolulu Harbor, Pier 29	SOSC NFA
	Honolulu	20060510-1155 .5 Gallon Hydraulic Oil Release	Hydraulic oil spilled into the Pacific Ocean from a drain plug on the deck of the M/V SBX-1.	SOSC NFA

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Oahu	Honolulu	20060516-0952 Massive Sheen Ala Wai Harbor	Caller stated that a massive sheen was noticed in the Ala Wai Harbor. The sheen was moving south. Amount: unknown	SOSC NFA
	Honolulu	20060524-0653 Unknown Sheen 5-23-06 Offshore 1/2 mile fronting Honolulu Harbor	Unknown Sheen 1/2 mi offshore of Honolulu Harbor	SOSC NFA
	Honolulu	20060531-1113 Alleged exposure to chemical vapors	Luana Rosehill alleges that she was exposed to chemical vapors for 5 months 9 hours/day and is affecting her.	Refer to Hazard Eval Section
	Honolulu	20060602-1050 Unknown Release from UST Club Rd	Various contaminants discovered during sampling	Refer to SDAR
	Honolulu	20060609-1346 547 Queen Street 547 Queen St	2 charcoal tube samples submitted to lab on 09/10/2002. An additional charcoal tube was submitted on 09/13/2002.	Pending
	Honolulu	20060626-1422 Pier 34 Honolulu Harbor Diesel Pier 34	USCG reports oil sheen at Pier 34	SOSC NFA
	Honolulu Airport	20051028-0937 JP-5 Fuel Spill 300 Rodgers Blvd	Release of materials from an aircraft due to unknown causes.	SOSC NFA
	Honolulu Airport	20051115-0927 Fuel Spill - South Ramp 90 Nakolo PI	Due to mechanical problems on an aircraft, material released onto the ramp.	SOSC NFA
	Honolulu Harbor	20051110-1520 Hydraulic Oil Spill - Honolulu Harbor Pier 20	Hydraulic oil spilled into the Honolulu Harbor from a leaking excavator on a deck barge. One (1) gallon in water.	SOSC NFA

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Oahu	Honolulu Harbor	20060223-0651 Hydraulic oil Release NRC# 788894 7665 Coporate Center Dr	Ruptured Hose	SOSC NFA
	Honolulu Harbor	20060405-1406 Oily Sludge - Pier 31	A tank vent broke loose on a tug. Seawater entered the tank through the vent and overflowed the engine room. The OWS was turned on and pumped water and sludge into Honolulu Harbor. Unknown amount released. Amount in water unknown.	SOSC NFA
	Kaaawa	20060305-1515 51- 346 A & B Haulele Road Vector Issues 51-346 A & B Haulele Rd	Complaint regarding rodent problems	Refer to EHSD
	Kahuku	20051128-0953 56-540 Puuluana Street Transformers Release 56-540 Puuluana St	Three transformers knocked down from a pole due to an accident	SOSC NFA
	Kailua	20050717-1107 Gas Odor 1120 Hele St	Gas odors through-out her home	SOSC NFA
	Kailua	20050923-1805 Kailua WWTP 50 gallons per minute spill 95 Kaneohe Bay Dr	Sewage spill	Refer to CWB, WWB
	Kailua	20051028-1458 Sewer Line Repair Aoloa St & Hamakua St	Three sewer lines were accidently filled with cement. Sewage backed up through pipes three floors high in the condo. Workers are removing the concrete. It is noisy and there are odors. Are the fumes, dust and noise harmful? A month more work predicted.	Refer to CAB
	Kailua	20051202-0824 Dead fish 153 Hamakua Dr	Lots of dead fishes and bubbles in canal	Refer to CWB

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Oahu	Kailua	20060415-1155 127 Maluniu Avenue Abandoned Cylinder 127 Maluniu Ave	Abandoned acetylene cylinder	SOSC NFA
	Kailua	20060417-0653 1010 Holoholo Street NRC 794166 1010 Holoholo St	Boat on top of a trailer parked on the street is leaking oil	SOSC NFA
	Kaneohe	20050829-1140 Pookela and Keaahala Seven Drums Pookela	Abandoned drums reported	SOSC NFA
	Kaneohe	20050829-1140 Pookela and Keaahala Seven Drums Pookela	Abandoned drums reported	SOSC NFA
	Kaneohe	20050830-1200 Sunken Fishing Vessel Kamehameha Hwy	Sunken fishing vessel at pier. Has been on the bottom for the past 30 days	Referred to State Harbors
	Kaneohe	20050923-1838 Ulumau Village Sewage Spill Heeia Kea State Park	Sewage Spill - 250 gallons/minute	Refer to CWB, WWB
	Kaneohe	20051125-0830 Windward Honda Lube oil Release 45-671 Kamehameha Hwy	Ruptured oil hose release	SOSC NFA
	Kaneohe	20051223-0708 Heeia Kea Pier unknown Sheen 500 Kamehameha Hwy	Unknown Sheen in Kaneohe Bay	SOSC NFA
	Kaneohe	20060220-1236 WWTP - By-Pass 2-20-06 Kaneohe Marine Corps Base	Due to Heavy Rains treatment plant had to by-pass effluent	Refer to CWB

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Oahu	Kaneohe	20060221-1910 Petroleum Odors 45-683 Kamehameha Hwy	Mastic removal odors(paint thinner) seeping into other apartments	Refer to Noise and Radiation
	Kaneohe	20060630-1416 1 - liter Diethyl ether Stabilization	Plan to conduct stabilization of diethyl ether on 7/1/06	SOSC NFA
	Kapolei	20050714-1943 Abandon 5 gal Pails Lauwiliwili St	Recieved aphone call from Hazmat II stating 2 five gal pails and 1 three gal pail found on the side of Lauwiliwili Street. Appears to be some kind of black petroleum oil.	SOSC NFA
	Kapolei	20050720-0752 East West Pipeline flange release 91-480 Malakole St	Leak from flange	SOSC NFA
	Kapolei	20050730-2055 Chevron Texaco Refinery FCCU NOX 91-480 Malakole St	Retraction of phone notification of NO exceedance. Fluid Catalytic Cracking Unit P-2 Flare.	SOSC NFA
	Kapolei	20050805-1001 Possible release at refinery 91-325 Komohana St	Routine inspection of Tesoro pipeline. Possible fuel oil contamination in soil. Unknown source/quantity. Caller making a courtesy call. Impact to groundwater?	SOSC NFA
	Kapolei	20050822-0810 Hydrochloric Acid Release 91-104 Kalaeloa Blvd.	Faulty Valve to a 7,000 gal Hydrochloric Acid tank leaked causing acid to be released on the parking area	SOSC NFA
	Kapolei	20050824-1850 Plump Drum Old Farrington Hwy	Plump Drum Discovered adjacent to Old Farrington Hwy	SOSC NFA
	Kapolei	20050923-1109 Sulfur Dioxide Release 09/23/05 91-325 Komohana St	Material released from the flare due to a unit failure.	SOSC NFA

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Oahu	Kapolei	20050923-1712 Waimanalo Gulch Landfill Dumprtruck rollover 92-460 Farrington Hwy	Dumprtruck overturned on landfill access road between ash cells and MSW cells	Refer to SHWB
	Kapolei	20050926-0908 Goodfellow Bros. Fuel Tank 92- 460 Farrington Hwy	Fuel tank hit by another truck causing tank to overturn releasing diesel fuel onto the ground	SOSC NFA
	Kapolei	20050926-1700 Chevron Hawai'i Refinery NOx exceedance - NRC #773944 91- 480 Malakole St	Release of Nitrogen oxides, exceeding reportable quantity	SOSC NFA
	Kapolei	20050927-1430 Punctured Fuel Tank 91-056 Hanua St	Fuel spill due to punctured truck fuel tank. Approx 25-30 gals released.	SOSC NFA
	Kapolei	20051005-1437 Discovery of High Levels of Lead, Mercury and Cadmium	Caller reporting the discovery of soil contaminated with high levels of lead, mercury and cadmium in an old domestic dump site.	Refer to SHWB
	Kapolei	20051010-0759 Nitrogen Oxide Release 10-09- 2005 91-325 Komohana St	Nitrogen Oxide released from the flare due to a unit shutdown	Refer to CAB
	Kapolei	20051018-1100 Lead found in samples 91-174 Hanua St	Lead found in soil samples. Area located adjacent to Boiler area	Refer to SDAR
	Kapolei	20051028-1438 Chevron Refinery - Asphalt Spill 91-480 Malakole St	Asphalt spill at asphalt load rack	SOSC NFA
	Kapolei	20051031-1034 Single Point Mooring Unknown Sheen 91-325 Komohana St	Caller reporting an unknown sheen. Amount unknown.	SOSC NFA

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Oahu	Kapolei	20051122-1610 H1 West at the Makakilo Exit Motor Oil Release H1 West at the Makakilo Exit	Motor oil spilled into a drainage ditch from a passenger car involved in a car accident	SOSC NFA
	Kapolei	20051123-0930 Campbell Industrial Park - Abandoned Drums Kalaeloa Blvd & Kamokila Blvd	Two 55-gallon metal abandoned drums	SOSC NFA
	Kapolei	20051123-1324 Cargo Hose Release 780444 Single Buoy Mooring	Release from a cargo hose due to an operator error	SOSC NFA
	Kapolei	20051213-0758 Nitrogen Oxide Release 12-09- 2005 91-325 Komohana St	Release of NOX during maintenance.	Refer to CAB
	Kapolei	20051229-1640 Ammonia Anhydrous Release 91-480 Malakole St	The material released from an FCCU Unit due to equipment failure.	SOSC NFA
	Kapolei	20051230-1030 Motor Oil release onto Parking Lot Kapolei Regional Park	Park keeper Frank Crabbe discovered motor oil on the parking lot asphalt.	Refer to C&C Facility maintenance
	Kapolei	20060127-0710 Nox Release NRC 785204 91- 480 Malakole St	Nitrous oxide release	SOSC NFA
	Kapolei	20060131-1452 "Hui Mana" Release Barge Harbor Pier 5	Gasoline spill - overfill of a compartment on the barge. Gasoline will eventually evaporate.	SOSC NFA
	Kapolei	20060203-1145 Nitrogen Oxide Release 2-3- 2006 91-325 Komohana St	Release of NOX during maintenance.	Refer to CAB

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Oahu	Kapolei	20060209-1418 Near corner of Malakole Rd & Hanua St Extention Contaminated Soil Spill Near corner of Malakole Rd & Hanua St Extension	Small amount of soil released from Hawaiian Western Steel Waste Pile. 1-2 cubic yds of soil, lead contaminated. Restricted access, covered with plastic sheeting. Will contain it tomorrow, Feb 10, 06. Paul Kalaiwaa from SHWB knows site.	SOSC NFA
	Kapolei	20060221-1900 NOX Release NRC # 788782 91-480 Malakole St	Nitrous oxide release	Refer to CAB
	Kapolei	20060303-1427 Fork-Lift Hydraulic Oil Release 92-200 Farrington Hwy	Due to an accident hydraulic oil was released into the storm drain	SOSC NFA
	Kapolei	20060303-1427 Fork-Lift Hydraulic Oil Release 92-200 Farrington Hwy	Due to an accident hydraulic oil was released into the storm drain	SOSC NFA
	Kapolei	20060407-1104 Recycled Oil Release 4-07-06 91-410 Komohana St	While processing Waste oil a pressure relief valve malfunctioned causing the waste oil to be released into the air	SOSC NFA
	Kapolei	20060520-0521 Front Sunda Light Crude Release Single Buoy Mooring	Release of light crude oil while off-loading at SPM from "Front Sunda"	SOSC NFA
	Kapolei	20060618-1008 Nitrogen Dioxide Release 6-18-06 91-325 Komohana St	Release of Nitrogen Dioxide due to equipment failure	Refer to CAB
	Kunia	20050916-0705 Vydate L Release 92-1770 Kunia Rd	Hose Connection Failed causing release of Vydate L - Oxamyl	SOSC NFA
	Maui	20050825-1100 Maui Point Abandoned Pail Farrington Hwy	Abandoned 5-gallon pail	SOSC NFA

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Oahu	Maili	20051104-0900 Abandoned Compressed Gas Cylinders Maili Point	5 Abandon Compressed Gas Cylinders found at Maili Point	SOSC NFA
	Maili	20060629-0915 Motor Oil Release 87-143 Maloia St	Used motor oil leaking from car onto the sidewalk a median area	Refer to SHWB
	Makakilo	20050707-0915 Asphalt Cement Above-Ground Storage Tanks Release 91-920 Farrington Hwy	Asphalt cement release onto paved area; cause: Overflow of holding tank from tanker truck.	SOSC NFA
	Maunawili	20060306-1657 Vehicle License Plate 733TNR leaking oil 1176 Lunaai St	White truck leaking oil running down sidewalk into gutter	SOSC NFA
	Pauoa	20060120-0900 2563 Ahekolo Street Unknown Liquid 2563 Ahekolo St	Bucket with unknown contents found inside a shed;	SOSC NFA
	Pearl City	20051003-1335 Pearl City Naval Fuel Facility JP8 Release Pearl Harbor Blvd	A in-use fuel line was disconnected for unknown reasons causing approx. 800 gals of JP8 to be released.	Refer to NAVFAC Hawaii
	Pearl City	20051023-1157 Waiau Power Plant oil sheen from unknown xource 475 Kamehameha Hwy	Unknown sheen, source unknown	SOSC NFA
	Pearl City	20051109-1140 HECO Pole Mount Transformer 69624 & 69625 Kam Hwy & Kaonohi St.	Due to a car accident transformer were damaged	SOSC NFA
	Pearl City	20051117-1335 Transformers Vandalized at Manana Storage Yard Parcel E	Vandals cut down and opened 3 transformers.	SOSC NFA

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Oahu	Pearl City	20060228-1035 98-1594 Hoomahilu Street Malathion Dumping 98-1594 Hoomahilu St	Dumping of Malathion on a sidewalk and entered a storm drain approximately 300 feet downstream. Children at Waiiau Elementary School, downwind of spill site, complained of odors HazMat2 responded and applied a neutralizer and flushed storm drain w/ H2O	Refer to CWB, Pesticides
	Pearl City	20060330-1130 Tar Balls After Heavy Rains - 3-30-05 475 Kamehameha Hwy	Tar Balls found in the intake area. On Occasion tar balls appear after a heavy rain from the old Chevron spill 1996.	SOSC NFA
	Pearl City	20060420-1235 Unknown Sheen 4-20-06 475 Kamehameha Hwy	Unknown sheen observed in the CT10 area(seawater intake area).	SOSC NFA
	Pearl City	20060421-0935 Unknown Sheen 4-21-2006 475 Kamehameha Hwy	Unknown Sheen observed in CT10 Area	SOSC NFA
	Pearl Harbor	20050729-0954 Pearl Harbor Pier Victor 1 & 2 Fuel Release	Release of J 8 into Pearl Harbor from a 10 inch fuel line due to equipment failure. Weston is contractor to clean and abandon multipurpose line which was in very bad condition. Used water to generate 15psi to clean out line. Water pressure blew out a sect	SOSC NFA
	Pearl Harbor	20050804-1120 100 gallons oily water spill Pearl Harbor Pier S-14	Equipment failure during offloading of bilgewater from barge caused release of 100 gallons of oily water.	SOSC NFA
	Pearl Harbor	20050811-1237 Pearl Harbor Naval Base Wharf S-21 Kuahua Ave	The caller is reporting a release of (Citigo product Aqua Marine 46) Hydraulic oil into Pearl Harbor from a drill due to equipment failure.	SOSC NFA
	Pearl Harbor	20050817-1356 Pearl City Peninsula, Victor 3 Pearl City Peninsula, Victor 3	700 gallons of JP-8 released in a concrete valve box as hydrogen was being pumped in pipeline prior to pigging	SOSC NFA

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Oahu	Pearl Harbor	20060114-1145 Sheen, USS Port Royal at the Pearl Harbor Shipyard Bravo Pier, Pearl Harbor Naval Shipyard	Sheen at Bravo Pier	SOSC NFA
	Pearl Harbor	20060307-1525 Uss Okane Oil Release 3-7-06 Naval Subase - Lark Ln	Residue from oil line released into Pearl Harbor	SOSC NFA
	Pearl Harbor	20060320-0702 Drydock Oily Water Discharge Naval Shipyard - Ingersoll Ave	Oily bilge water discharge into drydock	SOSC NFA
	Pearl Harbor	20060324-1258 Hydraulic Oil spill 40 - 50 gals	Cause may be from forklift, by bldg 1655 adjacent to Child Develop Center. Spill on land, close to stormdrain, contained. They will be checking in stormdrain.	SOSC NFA
	Pearl Harbor	20060328-1041 Sheen - Odor like Diesel Oil Pearl Harbor Pier S-1A	1 pint or less in water, non-recoverable, Diesel like odor. No source found.	SOSC NFA
	Pearl Harbor	20060413-1215 Tar Balls NRC 793939 Kamehameha Hwy	Release of materials into the CT10 pond area	SOSC NFA
	Pearl Harbor	20060417-1108 Tar Balls NRC 794236 Kamehameha Hwy	Tar balls from previous pipeline release	SOSC NFA
	Pearl Harbor	20060422-1043 Oil Sheen NRC 794876 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060423-0744 Oil Sheen NRC 794821 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA

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Oahu	Pearl Harbor	20060424-1150 Unknown Sheen NRC 795039 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060425-0831 Unknown Sheen NRC 795136 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060426-1138 Unknown Sheen NRC 795271 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060427-1132 Unknown Sheen NRC 795400 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060428-1138 Unknown Sheen NRC 795523 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060429-1100 Waiau pond sediment release Kamehameha Hwy	6x6 foot oil sheen inside boomed area at pond	SOSC NFA
	Pearl Harbor	20060430-1122 Chevron pipeline Waiau- pond Kamehameha Hwy	3x3 foot sheen on pond in boomed area from sediments	SOSC NFA
	Pearl Harbor	20060502-1012 Unknown Sheen NRC 795846 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060503-1415 Unknown Sheen NRC 796012 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA

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Oahu	Pearl Harbor	20060504-0912 Unknown Sheen NRC 796099 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060505-0710 Unknown Sheen NRC 796199 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060508-0709 unknown Sheen NRC 796311 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060508-0710 Unknown Sheen NRC 796398 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060508-1051 Pond sediment release Kamehameha Hwy	Sheen 10x10 feet reported inside containment boom from old spill	SOSC NFA
	Pearl Harbor	20060509-1012 Unknown Sheen NRC 796615 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060510-1105 Oil Sheen NRC 796751 Kamehameha Hwy	Release of materials into the CT10 pond area	SOSC NFA
	Pearl Harbor	20060515-1027 Oil Sheen NRC 797272 Kamehameha Hwy	Release of materials into the CT10 pond area	SOSC NFA
	Pearl Harbor	20060517-0937 Oil Sheen NRC 797523 Kamehameha Hwy	Release of materials into the CT10 pond area	SOSC NFA

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Oahu	Pearl Harbor	20060518-1143 Unknown Sheen NRC 797668 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060519-0850 Unknown Sheen NRC 797773 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060520-1620 Unknown Sheen NRC 797875 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060522-0715 Unknown Sheen NRC 798032 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060523-1020 Unknown Sheen NRC 798207 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060524-1014 Oil Sheen NRC 798330 Kamehameha Hwy	CT 10 Pond area - sheening observed	SOSC NFA
	Pearl Harbor	20060525-0656 Unknown Sheen NRC 798441 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060526-1250 Unknown Sheen NRC 798612 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060530-1250 Unknown Sheen NRC 798944 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA

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Oahu	Pearl Harbor	20060531-1356 Unknown Sheen NRC 799051 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060601-1304 Unknown Sheen NRC 799240 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060602-1143 Unknown Sheen NRC 799351 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060605-1548 Unknown Sheen NRC 799663 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060606-1605 Unknown Sheen NRC 799764 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060607-1305 Unknown Sheen NRC 799914 Kamehameha Hwy	Historic Site; Oil Sheen in CT10 area	SOSC NFA
	Pearl Harbor	20060613-1144 Oil Sheen NRC 800553 Kamehameha Hwy	Sheen in an outfall system coming from 1996 oil spill	SOSC NFA
	Pearl Harbor	20060615-1015 Oil Sheen NRC 800814 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060616-1015 Oil Sheen NRC 800955 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA

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Oahu	Pearl Harbor	20060617-1207 Oil Sheen NRC 801051 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060618-1120 Oil Sheen NRC 801133 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060620-1233 Oil Sheen NRC 801434 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060622-1235 Oi Sheen NRC 801678 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060623-1017 Oil Sheen NRC 801814 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060624-1030 Oil Sheen NRC 801916 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060625-1038 Oil Sheen NRC 801982 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060626-0921 Oil Sheen NRC 802080 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060627-1030 Oil Sheen NRC 802246 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA

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Oahu	Pearl Harbor	20060628-1236 Oil Sheen NRC 802397 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060629-1020 Oil Sheen NRC 802538 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060630-1056 Oil Sheen NRC 802667 Kamehameha Hwy	Sheen in an outfall system coming from Historic 1996 oil spill	SOSC NFA
	Pearl Harbor	20060630-1143 Punctured Fuel Tank, Truck 99-994 Iwaena St	Diesel fuel spilled onto the soil from a ruptured saddle tank on a tractor trailer truck. Bldg 184 F-9, Ford Island, Pearl Harbor.	SOSC NFA
	Punahou	20050826-2134 Poki Street Eight Acetic Acid Poly Drums Odor Poki St	Overwhelming Odor from eight poly drums that once contained 80% acetic acid	SOSC NFA
	Sand Island	20050808-1600 Abandoned Vans (JGV 545 and FXV 219) with paint fronting 115 Mokauea / Auiki & Sand Island Access	Two abandoned vans with leaking and approximately 400 deteriorating flammable paints, epoxy, etc containers,	SOSC NFA
	Schofield Barracks	20051108-1700 Building 2440 and Building 2088 Release 2088 Flagler Rd	Forklift hydraulic line broke. Vehicle was moved to another building where there was more released.	SOSC NFA
	Sunset Beach	20050715-1541 Transformer 51476, 68836 Release 51-290 Kam Hwy	Pole holding Transformers collapsed due to termite damage	SOSC NFA
	Wahiawa	20050720-0842 Quad J Release 3165 Lakeview	Contractor Dick Pacific during a installation caused a spill of 100 gallons - PCB containing oil	SOSC NFA

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Oahu	Wahiawa	20050923-1515 Building Quad-J UST Diesel Fuel Release Schofield Barracks	During excavation, contractors discovered UST not on the drawing plan. Substance noticed in soil during removal of tank.	Refer to SDAR
	Wahiawa	20051201-1015 Wahiawa Convenience Center Abandon Drums Wilikina Dr	5 Abandon drums found in back area of the C&C Convenience Center. 2 on the stream embankment and 3 in the stream.	Referred to C&C Environmental Services
	Wahiawa	20051213-0945 Transformer Release 3165 Lakeview 3165 Lakeview	Rusted Transformer	SOSC NFA
	Wahiawa	20060130-1643 Pad Mount Transformer Release - Various areas 3165 Lakeview	Release from Pad-mount Transformers	SOSC NFA
	Wahiawa	20060216-2130 Diesel Odor - Menor Street 3165 Lakeview	Diesel odors from storm drain	SOSC NFA
	Wahiawa	20060521-0000 Transformer WAAF-27 Spill 608 Haley Ave	Private vehicle hit a pad mounted transformer.	
	Waianae	20050801-0855 Maili Elementary School Silica Sand 87-360 Kulaaupuni St	Complainant states there is silica sandblast grit spread around the office area of school and children play in it. Causes silicosis.	SOSC NFA
	Waianae	20050816-1330 Kahe Unknown Compressed Gas Cylinder HECO, Kahe Generating Station	Unknown compressed gas cylinder with "USN" stamp on it. Unified command set up with Hawaiian Electric, Navy and State,	SOSC NFA
	Waianae	20050824-1700 Paakea Road Nine Abandoned Barrels Paakea Rd	Nine abandoned drums - five were empty, four with liquid inside.	SOSC NFA

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Oahu	Waianae	20050824-1700 Paakea Road Nine Abandoned Barrels Paakea Rd	Nine abandoned drums - five were empty, four with liquid inside.	SOSC NFA
	Waianae	20050922-1546 87-1051 Hakimo Place Tote 87-1051 Hakimo PI	No release of unknown substance inside a 200-gallon tote located on property behind caller's property. Leaking drums across the street appear to be slop	Refer to SHWB
	Waianae	20051109-1053 Second Hand Towtruck 248TRT Kuhela St	Complainant alleges towtruck towing blue and white vehicle marked cc-4-5870/05 with fluid spilling out until it reached Leeward Auto Wreckers	SOSC NFA
	Waianae	20051109-1527 86913 Alamihi Place Alleged Dumping 86913 Alamihi PI	Complainant reported allegations of resident with a junkyard, oil leaving property onto city street	Refer to SHWB
	Waianae	20051122-1000 Oil Release between 86-032 and 86-120 Farrington Highway between 86-032 and 86-120 Farrington Hwy	Tractor trailer and passenger car collided causing release to stream that leads to ocean	SOSC NFA
	Waianae	20060130-0724 87-1238 Farrington Highway 87-1238 Farrington Hwy	Anonymous caller reporting a vessel on fire on land	SOSC NFA
	Waianae	20060305-1545 Mailiili Beach Park Vector Issues Mailiili Beach Park	Complaint of rodents observed the size of cats	Refer to EHSD
	Waimanalo	20051204-0955 All Tree Farm - alleged illegal dumping between 41-924 and 41-951 Waikupanaha St	Allegations of burying C & D and tree stumps without a permit	Refer to SHWB

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Oahu	Waipahu	20051017-0828 Paint trail leaving Earl Scheib 94-250 Mokuola St	Paint trail, dark blue and black colors, from Earl Scheib leading to storm drain	Refer to City and County Environment al Services
	Waipio	20060505-1740 Ewa Sugar Mill Waipio Penninsula	Oil spill in irrigation canal	SOSC NFA
Pearl & Hermes	Northwest Hawaii Islands	20050702-0724 M/V Casitas aground	Marine vessel, contracted by NOAA hard aground notheast side of Pearl and Hermes Atoll. 23 people aboard. Potential to release: 30,000 gallons of diesel, 3,000 gallons of gasoline, 200 gallons of lube oil.	SOSC NFA