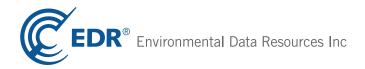
**Kuhio Park Terrace** 1518 Linapuni Street Honolulu, HI 96819

Inquiry Number: 2694968.3s

February 10, 2010

# The EDR Radius Map™ Report with GeoCheck®



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**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

1518 LINAPUNI STREET HONOLULU, HI 96819

#### **COORDINATES**

Latitude (North): 21.338500 - 21° 20' 18.6" Longitude (West): 157.876300 - 157° 52' 34.7"

Universal Tranverse Mercator: Zone 4 UTM X (Meters): 616526.9 UTM Y (Meters): 2359888.0

Elevation: 85 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 21157-C8 PEARL HARBOR, HI

Most Recent Revision: Not reported

East Map: 21157-C7 HONOLULU, HI

Most Recent Revision: Not reported

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
KUHIO PARK TERRACE 1600 HAUPU PL KALIHI, OAHU, HI 96819	US BROWNFIELDS	N/A
KUHIO PARK TERRACE UNITS D1 AND D LINAPUNI ST HONOLULU, HI 96819	SHWS BROWNFIELDS	N/A
KUHIO PARK TERRACE UNITS D1 AND D LINAPUNI ST HONOLULU, HI 96819	FINDS	N/A

#### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens
Federal Delisted NPL site lis	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
FEDERAL FACILITY	Federal Facility Site Information listing
	, G
Federal RCRA non-CORRA	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators li	st
RCRA-LQG	RCRA - Large Quantity Generators
	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
Fodoral institutional contro	la / anginagring agnivala registria
	ls / engineering controls registries
	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
Fordayal FDNC list	
Federal ERNS list	
ERNS	Emergency Response Notification System
	or solid waste disposal site lists
SWF/LF	Permitted Landfills in the State of Hawaii
State and tribal leaking stor	rage tank lists
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
State and tribal registered s	storage tank lists
INDIAN UST	. Underground Storage Tanks on Indian Land
FEMA UST	Underground Storage Tank Listing

#### State and tribal institutional control / engineering control registries

INST CONTROL..... Sites with Institutional Controls

#### State and tribal voluntary cleanup sites

INDIAN VCP...... Voluntary Cleanup Priority Listing VCP...... Voluntary Response Program Sites

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

#### Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

#### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS\_\_\_\_\_\_Release Notifications

#### Other Ascertainable Records

DOT OPS....... Incident and Accident Data FUDS....... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

RAATS...... RCRA Administrative Action Tracking System

AIRS..... List of Permitted Facilities INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/30/2009 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMWOOD TREATMENT CO INC	2024 N KING ST	SSW 1/4 - 1/2 (0.424 mi.)	D15	21

#### Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACTORY STREET SITE	2003 N. KING STREET	SSW 1/4 - 1/2 (0.440 mi.)	D17	32

#### Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMWOOD TREATMENT CO INC	2024 N KING ST	SSW 1/4 - 1/2 (0.424 mi.)	D15	21

#### State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health.

A review of the SHWS list, as provided by EDR, and dated 12/01/2009 has revealed that there are 18 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BONDED MATERIALS COMPANY	2161 N SCHOOL ST	ENE 1/8 - 1/4 (0.206 mi.)	B6	12
IKE KATAYAMA RESIDENCE	1887 MAKUAKANE ST	E 1/2 - 1 (0.677 mi.)	23	40
2147 AOAO STREET	2147 AOAO ST	NE 1/2 - 1 (0.733 mi.)	26	47
2326 KALIHI STREET UST	2326 KALIHI ST	ENE 1/2 - 1 (0.974 mi.)	35	<i>57</i>
Lower Elevation	Address	Direction / Distance	Map ID	Page
DIVISION OF FORESTRY AND WILDL	2003 N KING ST	SSW 1/4 - 1/2 (0.440 mi.)	D16	29
FARRINGTON HIGH SCHOOL	1564 N KING ST	S 1/2 - 1 (0.558 mi.)	21	36
KALIHI-PALAMA BUS FACILITY	811 MIDDLE ST	WSW 1/2 - 1 (0.665 mi.)	22	38
THOHT PROPERTY	636 LAUMAKA ST	SW 1/2 - 1 (0.686 mi.)	24	46
FORT SHAFTER BOLLARD	1557 PASS ST	W 1/2 - 1 (0.731 mi.)	25	47

Lower Elevation	Address	Direction / Distance	Map ID	Page
GTE KAILUA BASEYARD	711 MIDDLE ST	WSW 1/2 - 1 (0.750 mi.)	27	48
HOUSE FOODS, HAWAII (FOREMOST)	2277 KAMEHAMEHA HWY	SW 1/2 - 1 (0.758 mi.)	E28	50
GASPRO - HONOLULU	2305 KAMEHAMEHA HWY	SW 1/2 - 1 (0.764 mi.)	E29	50
DILLINGHAM BOULEVARD & MOKAUEA	DILLINGHAM BLVD / MOK	SSW 1/2 - 1 (0.771 mi.)	30	52
TRASH CAN NEAR MAKAI ANIMAL CL	621 MIDDLE ST	WSW 1/2 - 1 (0.840 mi.)	F31	52
611 MIDDLE STREET WAREHOUSE	611 MIDDLE ST	WSW 1/2 - 1 (0.859 mi.)	F32	54
TAKAMIYA PROPERTY	850 MOOWAA ST	SSE 1/2 - 1 (0.922 mi.)	33	56
ROSS TRUSTS	819 MOOWAA ST	SSE 1/2 - 1 (0.934 mi.)	34	56
FAA TRANSMITTER	1138 N KING ST	SSE 1/2 - 1 (0.999 mi.)	36	58

## State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health's Active Leaking Underground Storage Tank Log Listing.

A review of the LUST list, as provided by EDR, and dated 12/01/2009 has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IMM KAM IV Facility Status: Site Cleanup Completed ( Facility Status: Site Cleanup Completed (	· ,	NNE 1/8 - 1/4 (0.221 mi.)	8	13
<b>7-11 KAM IV</b> Facility Status: Site Cleanup Completed (Facility Status: Site Cleanup Completed (Facility Status)	· ,	NNE 1/8 - 1/4 (0.248 mi.)	9	14
KANE'S AUTO REPAIR Facility Status: Site Cleanup Completed (	<b>1325 MIDDLE ST</b> (NFA)	WNW 1/4 - 1/2 (0.294 mi.)	C10	16
BENTON'S MIDDLE STREET CHEVRON Facility Status: Site Cleanup Completed (	<b>1305 MIDDLE ST</b> (NFA)	WNW 1/4 - 1/2 (0.298 mi.)	C11	17
HOUGHTAILING STREET & ALANI ST Facility Status: Site Cleanup Completed (	<b>2442 KINI PL</b> (NFA)	NNE 1/4 - 1/2 (0.372 mi.)	12	18
Lower Elevation	Address	Direction / Distance	Map ID	Page
KALIHI STREAM CHEVRON Facility Status: Site Cleanup Completed (	<b>2160 N. KING ST.</b> (NFA)	SW 1/4 - 1/2 (0.377 mi.)	13	19
KSC SERVICE L-4210 Facility Status: Site Cleanup Completed (	<b>2295 N KING ST</b> (NFA)	WSW 1/4 - 1/2 (0.421 mi.)	14	20
PACIFIC TIRE Facility Status: Site Cleanup Completed (	<b>1955 N KING ST</b> (NFA)	SSW 1/4 - 1/2 (0.455 mi.)	18	33
ISLAND MINI-MART NORTH KING Facility Status: LUST Cleanup Initiated Facility Status: Monitored Natural Attenua	1860 N KING ST	S 1/4 - 1/2 (0.474 mi.)	19	33
MORRIS ANGELO	905 FACTORY ST	SSW 1/4 - 1/2 (0.493 mi.)	20	35

#### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 12/01/2009 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL SERVICE STATION	2239 N SCHOOL ST	NE 1/8 - 1/4 (0.202 mi.)	5	11
CHANG CHOW PROPERTIES	2161 N SCHOOL ST	ENE 1/8 - 1/4 (0.206 mi.)	B7	13
IMM KAM IV	2314 N SCHOOL ST	NNE 1/8 - 1/4 (0.221 mi.)	8	13
7-11 KAM IV	2404 N SCHOOL ST	NNE 1/8 - 1/4 (0.248 mi.)	9	14

#### State and tribal institutional control / engineering control registries

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the ENG CONTROLS list, as provided by EDR, and dated 12/01/2009 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIVISION OF FORESTRY AND WILDL	2003 N KING ST	SSW 1/4 - 1/2 (0.440 mi.)	D16	29

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 12/11/2009 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KUHIO HOMES PUBLIC HOUSING PRO	1410 THRU 1529 AHONUI S	NW 0 - 1/8 (0.110 mi.)	4	9

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD

site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORT SHAFTER		0 - 1/8 (0.000 mi.)	0	9

Due to poor or inadequate address information, the following sites were not mapped:

#### Site Name Database(s)

861-869 NORTH NIMITZ HIGHWAY 580 NORTH NIMITZ HIGHWAY

755 N NIMITZ HWY

775 NORTH NIMITZ HIGHWAY

CITIZENS ENERGY SERVICES PIER 38 HAWAIIAN BITUMULS PAVING & PRECAST

ABC DISPOSAL COMPANY

NIMITZ HIGHWAY WATER IMPROVEMENT P CHEVRON KAPALAMA NORTHEAST PARCEL

KEEHI LAGOON CANOE FACILITY

ABC DSPL

TESORO GAS EXPRESS #20 OAHU TIRE SERVICE & CO.

MIDDLE STREET INTERMODAL CENTER AIRPORT USED CAR RENTAL INC. KALIHI-UKA FIRE STATION

USARMY FORT KEMEHAMEHA

NUUANU CONGREGATIONAL CHURCH

AMERICAN MARINE CORP WAILUPE BEACH PARK HWS,ENG CONTROLS HWS,ENG CONTROLS HWS,ENG CONTROLS HWS,ENG CONTROLS

HWS,ENG CONTROLS,SPILLS

HWS FINDS,HWS HWS

HWS

CERCLIS,FINDS CERCLIS-NFRAP

LUST FINDS,LUST LUST,UST LUST UST

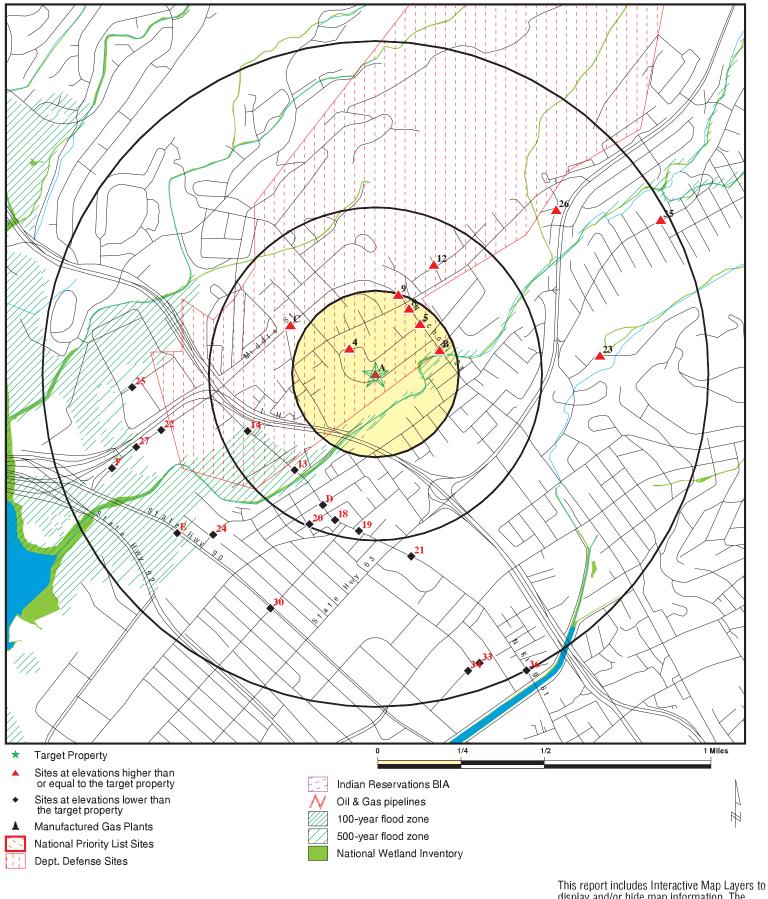
FINDS,RCRA-NLR

RCRA-NLR

PADS,RCRA-CESQG

**SPILLS** 

# **OVERVIEW MAP - 2694968.3s**

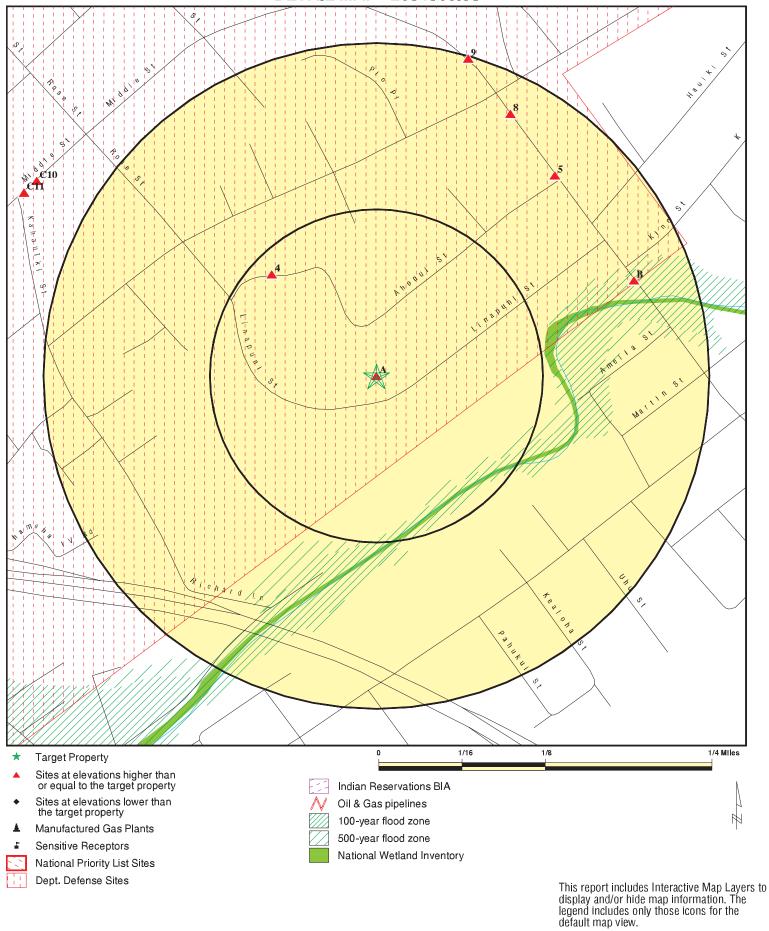


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Kuhio Park Terrace
ADDRESS: 1518 Linapuni Street
Honolulu HI 96819
LAT/LONG: 21.3385 / 157.8763

CLIENT: Eng. Remediation Resources Grp
CONTACT: Dylan Galloway
INQUIRY #: 2694968.3s
DATE: February 10, 2010 11:41 am

# **DETAIL MAP - 2694968.3s**



SITE NAME: Kuhio Park Terrace
ADDRESS: 1518 Linapuni Street
Honolulu HI 96819
LAT/LONG: 21.3385 / 157.8763

CLIENT: Eng. Remediation Resources Grp
CONTACT: Dylan Galloway
INQUIRY #: 2694968.3s
DATE: February 10, 2010 11:41 am

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL site	e list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0 0	1 0	NR 0	NR NR	1 0
Federal CERCLIS NFRAI	P site List							
CERC-NFRAP		0.500	0	0	1	NR	NR	1
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.000	0	0	1	0	NR	1
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	lent CERCLIS	3						
SHWS	Χ	1.000	0	1	1	16	NR	18
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST INDIAN LUST		0.500 0.500	0 0	2 0	8 0	NR NR	NR NR	10 0
State and tribal registered storage tank lists								
UST		0.250	0	4	NR	NR	NR	4

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>&gt; 1</u>	Total Plotted
INDIAN UST FEMA UST		0.250 0.250	0 0	0 0	NR NR	NR NR	NR NR	0 0
State and tribal institution control / engineering control /		s						
ENG CONTROLS INST CONTROL		0.500 0.500	0 0	0 0	1 0	NR NR	NR NR	1 0
State and tribal voluntar	y cleanup site	es						
INDIAN VCP VCP		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	Χ	0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	Χ	0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
ODI DEBRIS REGION 9 INDIAN ODI		0.500 0.500 0.500	0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US CDL US HIST CDL		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2 LUCIS		TP 0.500	NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency Release Reports								
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	cords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD UMTRA MINES TRIS TSCA		0.250 TP 1.000 1.000 1.000 1.000 0.500 0.250 TP TP	1 NR 1 0 0 0 0 0 NR NR	0 NR 0 0 0 0 0 0 NR NR	NR NR 0 0 0 0 0 NR NR NR	NR NR 0 0 0 NR NR NR NR	NR NR NR NR NR NR NR NR	1 0 1 0 0 0 0 0

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA COAL ASH DOE		0.500 TP	0	0 NR	0	NR	NR	0
PCB TRANSFORMER		TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
PCB TRAINSFURIMER		IP	INK	INK	INK	INIX	INIX	U
EDR PROPRIETARY RECOR	RDS							
EDR Proprietary Records	5							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Elevation Site Database(s) EPA ID Number

A1 KUHIO PARK TERRACE US BROWNFIELDS 1012171965
Target 1600 HAUPU PL N/A

Property KALIHI, OAHU, HI 96819

Site 1 of 3 in cluster A

Actual: 85 ft.

US BROWNFIELDS:
Recipient name: Hawaii Department of Business, Economy & Tourism

Project name: Hawaii Dept of Bus, Econ&Tourism

Property name: Kuhio Park Terrace
Parcel #: Not reported
Parcel size: Not reported
Latitude: 21.3365
Longitude: -157.86998

Region: HCM label: Not reported Map scale: Not reported Point of reference: Not reported Not reported Datum: ICREQ date: Not reported ACRES property ID: 14408 Start date: 3/31/2004 Completed date: 3/31/2004

Accomplishment type: Phase I Environmental Assessment

Accomplishment (acres): Not reported Ownership entity: Not reported Current use: Not reported

Current owner: Housing and Community Development Corporation

Future use: Residential with community resource center

Not reported Not reported

Not reported

Past use flag: Not reported Future use flag: Not reported Not reported Cleanup required: Not reported Proprietary controls: Gov. control: Not reported Enforcement permit tools: Not reported Info. devices: Not reported Not reported Video available: Not reported Photo available: Not reported Usage type: Not in state/tribal program: Not reported IC data address: Not reported IC in place date: Not reported IC in place flag: Unknown IC required flag: Not reported NFA issue date: Not reported State and tribal program date: Not reported State and tribal program ID: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned:

Lead contaminant found: Lead cleaned up:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **KUHIO PARK TERRACE (Continued)**

1012171965

None found: Not reported Not reported None cleaned up: Not reported No media found: No media cleaned up: Not reported Other found: Not reported Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water affected: Not reported Not reported Surface water cleaned: Unknown found: Not reported Unknwon cleaned: Not reported Not reported Unknown media: Unknown media cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported

Property Description: Public housing

**A2 KUHIO PARK TERRACE UNITS D1 AND D2** 

SHWS S108008570 **BROWNFIELDS** N/A

**Target LINAPUNI ST Property** HONOLULU, HI 96819

Site 2 of 3 in cluster A

SHWS: Actual:

85 ft. Organization: State of Hawaii, Hawaii Community Development Authority

Supplemental Location Text: Units D1 and D2

Island: Oahu

Environmental Interest: Kuhio Park Terrace, Units D1 and D2 Hid Number:

Not reported

Facility Registry Identifier: 110013772220 Lead Agency: **HEER** Program: Brownfields Project Manager: Melody Calisay Hazard Priority: Medium Site Status: Ongoing Response Action: Potential Hazards And Controls: Hazard Present Closure Document Title: Not reported Date Of Closure Document: Not reported

HI BROWNFIELDS:

Program: Brownfields

Direction Distance

Elevation Site Database(s) EPA ID Number

A3 KUHIO PARK TERRACE UNITS D1 AND D2 FINDS 1009798783

Target LINAPUNI ST N/A
Property HONOLULU, HI 96819

Site 3 of 3 in cluster A

Actual: FINDS:

85 ft.

Registry ID: 110027174894

Environmental Interest/Information System

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP

reporters and long term types of site investigations such as

environmental cleanup study areas, state cleanup sites, Superfund NPL

sites, voluntary clean up programs and Brownfields Pilot/Grants,

properties, sites and targeted assessments.

DOD FORT SHAFTER DOD CUSA147753
Region N/A

FORT SHAFTER (County), HI

< 1/8 1 ft.

DOD:

Army DOD Feature 1: Feature 2: Not reported Feature 3: Not reported URL: Not reported Fort Shafter Name 1: Not reported Name 2: Name 3: Not reported State: ΗΙ

DOD Site: Yes

Tile name: HIHONOLULU

4 KUHIO HOMES PUBLIC HOUSING PROJECT RCRA-NonGen 1000823288
NW 1410 THRU 1529 AHONUI ST FINDS HID984469478

< 1/8 HONOLULU, HI 96819

0.110 mi. 578 ft.

Relative: RCRA-NonGen:

Higher Date form received by agency: 12/05/1996

Facility name: KUHIO HOMES PUBLIC HOUSING PROJECT

Actual: Facility address: 1410 THRU 1529 AHONUI ST 95 ft. PARKING LOTS 1 THRU 4

HONOLULU, HI 96819

EPA ID: HID984469478
Mailing address: N SCHOOL ST

P O BOX 17907

HONOLULU, HI 968170907

Contact: Not reported

Distance

Elevation Site Database(s) EPA ID Number

#### KUHIO HOMES PUBLIC HOUSING PROJECT (Continued)

1000823288

**EDR ID Number** 

Contact address: Not reported

Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported

EPA Region: 09 Land type: State

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HAWAII HOUSING AUTHORITY
Owner/operator address: 1002 N SCHOOL ST P O BOX 17907

HONOLULU, HI 96817

Owner/operator country: Not reported
Owner/operator telephone: (808) 832-5905

Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: Nο Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No

Used oil transfer facility:

Used oil transporter:

No
Used oil transporter:

No

Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 05/31/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

FINDS:

Registry ID: 110005728604

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **KUHIO HOMES PUBLIC HOUSING PROJECT (Continued)**

1000823288

U001235341

N/A

UST

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SHELL SERVICE STATION ΝE 2239 N SCHOOL ST 1/8-1/4 HONOLULU, HI 96819

0.202 mi. 1065 ft.

UST: Relative:

Higher Facility ID: 9-101027

SHELL OIL COMPANY Owner: Actual: Owner Address: 789 NIMITZ HWY 109 ft. Ownder City, St, Zip: Honolulu, 96819 96819

> Tank ID: R-1 4/19/1971 Date Installed:

Tank Status: **Permanently Out of Use** 

Date Closed: 12/31/1986 Tank Capacity: 4000 Substance: Gasoline

Tank ID: R-2 Date Installed: 4/18/1969

**Permanently Out of Use** Tank Status:

Not reported Date Closed: Tank Capacity: 5000 Substance: Gasoline

Tank ID: R-3 4/18/1969 Date Installed:

Tank Status: **Permanently Out of Use** 

Date Closed: Not reported Tank Capacity: 5000 Gasoline Substance:

Tank ID: R-4 Date Installed: 4/18/1969

**Tank Status: Permanently Out of Use** 

Date Closed: Not reported Tank Capacity: 8000 Gasoline Substance:

Tank ID: R-5 4/18/1969 Date Installed:

Tank Status: **Permanently Out of Use** 

Date Closed: Not reported Tank Capacity: 550 Substance: Used Oil

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**B6 BONDED MATERIALS COMPANY FINDS** 1006820024 **SHWS** N/A

**ENE** 2161 N SCHOOL ST 1/8-1/4 HONOLULU, HI 96817

0.206 mi.

1089 ft. Site 1 of 2 in cluster B

FINDS: Relative:

Equal

Registry ID: 110013779072

Actual: 85 ft.

Environmental Interest/Information System

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants, properties, sites and targeted assessments.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

SHWS:

Organization: Chang-Chow Properties, Inc.

Supplemental Location Text: Not reported Island: Oahu

**Environmental Interest:** Chang-Chow Property North School Street Underground Storage Tank Closure

Hid Number: Not reported Facility Registry Identifier: 110013779072 Lead Agency: Not reported Program: State

Project Manager: Mark Sutterfield Hazard Priority: NFA Site Status: NFA Action: Response

Potential Hazards And Controls: No Hazard

Closure Document Title: NFA - Type Undetermined Date Of Closure Document: 11/30/2004 1:18:27 AM

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**B7 CHANG CHOW PROPERTIES** UST U003154843 2161 N SCHOOL ST N/A

**ENE** 1/8-1/4 HONOLULU, HI 96817

0.206 mi.

1089 ft. Site 2 of 2 in cluster B UST:

Relative:

Facility ID: Equal 9-103133

**CHANG CHOW PROPERTIES** Owner: Actual: Owner Address: 3425 ALA AKUIKULI ST 85 ft. Honolulu, 96817 96817 Ownder City,St,Zip:

> Tank ID: R-1

Date Installed: Not reported

Tank Status: **Permanently Out of Use** 

Date Closed: 1/30/2004 Tank Capacity: 500 Substance: Gasoline

LUST U001235610 IMM KAM IV 8 NNE 2314 N SCHOOL ST UST N/A

1/8-1/4 0.221 mi. 1167 ft.

LUST: Relative:

Facility ID: 9-101867 Higher

HONOLULU, HI 96819

Facility Status: Site Cleanup Completed (NFA)

Actual: Facility Status Date: 9/2/2005 116 ft. Release ID: 050028

Project Officer: Shaobin Li

Facility ID: 9-101867

Site Cleanup Completed (NFA) Facility Status:

Facility Status Date: 6/27/2000 Release ID: 950035 Project Officer: Shaobin Li

UST:

Facility ID: 9-101867

Owner: ALOHA PETROLEUM, LTD.

Owner Address: 1132 BISHOP STREET, SUITE 1700

Ownder City, St, Zip: Honolulu, 96819 96819

Tank ID: 87 Date Installed:

11/30/1988 Tank Status: **Currently In Use** Date Closed: Not reported 10000 Tank Capacity: Gasoline Substance:

Tank ID: 87

Date Installed: 11/30/1988 **Currently In Use** Tank Status: Date Closed: Not reported Tank Capacity: 10000 Substance: Gasoline

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

IMM KAM IV (Continued) U001235610

Tank ID: 89

11/30/1988 Date Installed: Tank Status: **Currently In Use** Date Closed: Not reported Tank Capacity: 10000 Gasoline Substance:

Tank ID: 89

Date Installed: 11/30/1988 **Currently In Use** Tank Status: Not reported Date Closed: 10000 Tank Capacity: Substance: Gasoline

Tank ID: 92

Date Installed: 11/30/1988 Tank Status: **Currently In Use** Not reported Date Closed: Tank Capacity: 10000 Substance: Gasoline

Tank ID: 92

Date Installed: 11/30/1988 **Tank Status: Currently In Use** Date Closed: Not reported 10000 Tank Capacity: Substance: Gasoline

LUST U001235404 9 7-11 KAM IV NNE 2404 N SCHOOL ST UST N/A

1/8-1/4 0.248 mi. 1310 ft.

Higher

LUST: Relative:

Facility ID: 9-101187

Facility Status: Site Cleanup Completed (NFA)

Actual: Facility Status Date: 4/17/2007 120 ft. Release ID: 050038

HONOLULU, HI 96819

Project Officer: Shunsheng Fu

Facility ID: 9-101187

Site Cleanup Completed (NFA) Facility Status:

Facility Status Date: 8/18/2009 090019 Release ID: Project Officer: Shunsheng Fu

UST:

Facility ID: 9-101187

Owner: ALOHA PETROLEUM, LTD.

Owner Address: 1132 BISHOP STREET, SUITE 1700

Ownder City, St, Zip: Honolulu, 96819 96819

Tank ID: 1

Direction
Distance
Elevation

ance EDR ID Number ration Site Database(s) EPA ID Number

7-11 KAM IV (Continued) U001235404

Date Installed: Not reported

Tank Status: Currently In Use

Date Closed: Not reported

Tank Capacity: 12000

Substance: Gasoline

Tank ID: 1

Date Installed: Not reported
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasoline

Tank ID: 2

Date Installed:

Tank Status:

Date Closed:

Tank Capacity:

Substance:

Not reported

Not reported

12000

Sasoline

Tank ID: 2

Date Installed:

Tank Status:

Date Closed:

Tank Capacity:

Substance:

Not reported

12000

Sasoline

Tank ID: r-87 Date Installed: 4/4/1985

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

Tank ID: r-87 Date Installed: 4/4/1985

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

Tank ID: r-89 Date Installed: 4/4/1985

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

Tank ID: r-89 Date Installed: 4/4/1985

Direction Distance

Elevation Site Database(s) EPA ID Number

7-11 KAM IV (Continued) U001235404

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

Tank ID: r-92 Date Installed: 4/4/1985

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

Tank ID: r-92 Date Installed: 4/4/1985

Tank Status: Permanently out of Use

Date Closed: 5/18/2009
Tank Capacity: 10000
Substance: Gasoline

 C10
 KANE'S AUTO REPAIR
 LUST
 U001235924

 WNW
 1325 MIDDLE ST
 UST
 N/A

1/4-1/2 0.294 mi.

1553 ft. Site 1 of 2 in cluster C

Relative: LUST:

Higher Facility ID: 9-102478

HONOLULU, HI 96819

Facility Status: Site Cleanup Completed (NFA)

Actual: Site Cleanup Completed (NFA)

4/12/2002

90 ft. Release ID: 920086
Project Officer: Shunsheng Fu

UST:

Facility ID: 9-102478

Owner: MILDRED KANESHIRO
Owner Address: 45-240 HIKIWALE PLACE
Ownder City, St, Zip: Honolulu, 96819 96819

Tank ID: R-1 Date Installed: 12/30/1951

Tank Status: Permanently Out of Use

Date Closed: 2/21/1992 Tank Capacity: 1000 Substance: Gasoline

Tank ID: R-2 Date Installed: 12/30/1951

Tank Status: Permanently Out of Use

Date Closed: 2/21/1992
Tank Capacity: 1000
Substance: Gasoline

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

C11 BENTON'S MIDDLE STREET CHEVRON LUST 1000601384
WNW 1305 MIDDLE ST UST N/A

1/4-1/2 HONOLULU, HI 96819

0.298 mi.

1576 ft. Site 2 of 2 in cluster C

Relative: LUST:

Higher Facility ID: 9-101110

Facility Status: Site Cleanup Completed (NFA)

Actual: Facility Status Date: 11/4/1999
89 ft. Release ID: 970009
Project Officer: Richard Takaba

UST:

Facility ID: 9-101110

Owner: CHEVRON PRODUCTS COMPANY

Owner Address: 91-480 MALAKOLE ST.
Ownder City,St,Zip: Honolulu, 96819 96819

Tank ID: 87
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 89
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 92
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000

Tank Capacity: 10000 Substance: Gasoline

Tank ID: R-1 Date Installed: 7/18/1984

Tank Status: Permanently Out of Use

Date Closed: 3/3/1999
Tank Capacity: 1000
Substance: Used Oil

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

12 HOUGHTAILING STREET & ALANI STREET, SEWAGE SPILL NNE **2442 KINI PL** 

**FINDS** 1006820699 **LUST** 

1/4-1/2 HONOLULU, HI 96819 **SPILLS** 

N/A

0.372 mi. 1965 ft.

FINDS: Relative:

Higher

Registry ID: 110013787027

Actual:

140 ft. Environmental Interest/Information System

> HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants, properties, sites and targeted assessments.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

LUST:

Facility ID: 9-100119

Facility Status: Site Cleanup Completed (NFA)

11/13/1992 Facility Status Date: Release ID: 890027 Project Officer: Pierette Arroyo

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19890907

Kalihi Corporation Yard Units:

**PETROLEUM** Substances: Less Or Greater Than: Not reported **Numerical Quantity:** Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Not reported Assignment End Date: Not reported

Result:

File Under: City and County of Honolulu, Board of Water Supply

Incident: UST SYSTEM LEAKED PETROLEUM, GAS

REMOVAL OF UST SYSTEMS Initial:

Not reported Report:

Direction Distance

Elevation Site Database(s) EPA ID Number

 13
 KALIHI STREAM CHEVRON
 LUST 1000316728

 SW
 2160 N. KING ST.
 UST N/A

1/4-1/2 0.377 mi. 1992 ft.

Relative: LUST:

Lower Facility ID: 9-101225

HONOLULU, HI 96819

Facility Status: Site Cleanup Completed (NFA)

Actual: Facility Status Date: 8/31/1995
37 ft. Release ID: 950050
Project Officer: Not Assigned

UST:

Facility ID: 9-101225

Owner: CHEVRON PRODUCTS COMPANY

Owner Address: 91-480 MALAKOLE ST.
Ownder City, St, Zip: Honolulu, 96819 96819

Tank ID: 87
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 89
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 92
Date Installed: 7/18/1984

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasoline

Tank ID: R-1 Date Installed: 1/1/1963

Tank Status: Permanently Out of Use

Date Closed: 4/1/1984
Tank Capacity: Not reported
Substance: Gasoline

Tank ID: R-2 Date Installed: 1/1/1963

Tank Status: Permanently Out of Use

Date Closed: 4/1/1984
Tank Capacity: Not reported
Substance: Gasoline

Direction Distance

**EDR ID Number** Database(s) Elevation Site **EPA ID Number** 

KALIHI STREAM CHEVRON (Continued)

1000316728

UST

N/A

Tank ID: R-3 Date Installed: 1/1/1963

Tank Status: **Permanently Out of Use** 

Date Closed: 4/1/1984 Tank Capacity: Not reported Substance: Gasoline

Tank ID: R-4 Date Installed: 7/18/1984

**Permanently Out of Use** Tank Status:

Date Closed: 1/1/1995 Tank Capacity: 1000 Substance: Used Oil

14 **KSC SERVICE L-4210** LUST U001235008

wsw 1/4-1/2 0.421 mi. 2221 ft.

LUST: Relative:

Facility ID: 9-100031 Lower

HONOLULU, HI 96819

**2295 N KING ST** 

Facility Status: Site Cleanup Completed (NFA)

Actual: Facility Status Date: 3/10/1999 39 ft. Release ID: 920008 Project Officer: Eric Sadoyama

UST:

Facility ID: 9-100031

Owner: **UNOCAL CORPORATION** Owner Address: 3915 Mission Avenue #7416 Ownder City,St,Zip: Honolulu, 96819 96819

Tank ID: R-1 Date Installed: 4/1/1969

**Permanently Out of Use** Tank Status:

Date Closed: 4/28/1992 Tank Capacity: 10000 Substance: Gasoline

Tank ID: R-2 Date Installed: 4/1/1969

Tank Status: **Permanently Out of Use** 

Date Closed: 4/28/1992 Tank Capacity: 10000 Substance: Gasoline

Tank ID: R-3 Date Installed: 4/1/1969

**Permanently Out of Use Tank Status:** 

Date Closed: 4/28/1992 Tank Capacity: 550 Used Oil Substance:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

KSC SERVICE L-4210 (Continued)

U001235008

1000303730

HID981424138

**CERCLIS** 

**FINDS** 

CORRACTS

**RCRA-SQG** 

Tank ID: R-5

Date Installed: Not reported

Tank Status: **Permanently Out of Use** 

Date Closed: 3/30/1992 Tank Capacity: 5000 Substance: Gasoline

Tank ID: R-6

Date Installed: Not reported

Tank Status: **Permanently Out of Use** 

3/30/1992 Date Closed: Tank Capacity: 7000 Substance: Gasoline

D15 **CHEMWOOD TREATMENT CO INC** 

SSW **2024 N KING ST** HONOLULU, HI 96706 1/4-1/2

0.424 mi.

2240 ft. Site 1 of 3 in cluster D

CERCLIS: Relative:

0903929 Site ID: Lower

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL

47 ft. Non NPL Status: Referred to Removal - Further Assessment Needed

CERCLIS Site Contact Name(s):

Contact Name: Not reported Contact Tel: Not reported Contact Title: 90000

Contact Name: Not reported Not reported Contact Tel: Contact Title: 13002

Not reported Contact Name: Not reported Contact Tel: Contact Title: 92708

Site Description: Not reported

**CERCLIS Assessment History:** 

Action: **DISCOVERY** Date Started: Not reported Date Completed: 5/28/1991 0:00:00 Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

Date Started: Not reported Date Completed: 11/5/1991 0:00:00

Priority Level: Low priority for further assessment

UNILATERAL ADMIN ORDER Action:

Date Started: Not reported 12/12/2008 0:00:00 Date Completed: Priority Level: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **CHEMWOOD TREATMENT CO INC (Continued)**

1000303730

Action: **REMOVAL** 1/21/2009 0:00:00 Date Started: Date Completed: 3/11/2009 0:00:00 Priority Level: Cleaned up

#### CORRACTS:

EPA ID: HID981424138

EPA Region: 09

Area Name: **ENTIRE FACILITY** 

Actual Date: 1/31/1997

Action: CA260 - CMS Workplan Received

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: **ENTIRE FACILITY** 

Actual Date: 3/15/1992

CA075HI - CA Prioritization, Facility or area was assigned a high Action:

corrective action priority

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

**ENTIRE FACILITY** Area Name:

Actual Date: 3/15/1992

Action: CA225YE - Stabilization Measures Evaluation, This facility ,is

amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk,

timing considerations and administrative considerations

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region:

Area Name: **ENTIRE FACILITY** 

Actual Date: 5/2/1994

CA300 - CMS Workplan Approved Action:

NAICS Code(s): Not reported Original schedule date: 01/30/1994 Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: **ENTIRE FACILITY** 

Actual Date: 5/26/1999

CA725YE - Current Human Exposures Under Control, Yes, Current Human Action:

Exposures Under Control has been verified

NAICS Code(s): Not reported Original schedule date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

#### CHEMWOOD TREATMENT CO INC (Continued)

1000303730

**EDR ID Number** 

Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 5/26/1999

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,

Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 9/30/1988

Action: CA100 - RFI Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 9/30/1988

Action: CA250 - CMS Imposition

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 11/15/1990

Action: CA150 - RFI Workplan Approved

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY
Actual Date: Not reported

Action: CA550 - Certification Of Remedy Completion Or Construction Completion

NAICS Code(s): Not reported Original schedule date: 09/30/1997 Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

Area Name: ENTIRE FACILITY
Actual Date: Not reported

Action: CA500 - CMI Workplan Approved

NAICS Code(s): Not reported Original schedule date: 09/30/1996 Schedule end date: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **CHEMWOOD TREATMENT CO INC (Continued)**

1000303730

EPA ID: HID981424138

EPA Region: 09

Area Name: **ENTIRE FACILITY** Actual Date: Not reported

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): Not reported Original schedule date: 09/30/1994 Schedule end date: Not reported

EPA ID: HID981424138

EPA Region: 09

**ENTIRE FACILITY** Area Name: Actual Date: Not reported

Action: CA450 - Corrective Measures Design Approved

NAICS Code(s): Not reported Original schedule date: 09/30/1995 Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 07/22/1993

CHEMWOOD TREATMENT CO INC Facility name:

Facility address: 2024 N KING ST

HONOLULU, HI 96819

EPA ID: HID981424138 ERLE KITAGAWA Contact: 2024 N KING ST Contact address:

HONOLULU, HI 96706

Contact country: US

Contact telephone: (808) 848-2359 Not reported Contact email:

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Handler: generates more than 100 and less than 1000 kg of hazardous Description:

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

CHEM-WOOD TREATMENT CO INC Owner/operator name:

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported (415) 555-1212 Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: **NOT REQUIRED** 

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private

Direction Distance

Elevation Site Database(s) EPA ID Number

#### CHEMWOOD TREATMENT CO INC (Continued)

1000303730

**EDR ID Number** 

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Verified to be non-commercial

**Historical Generators:** 

Date form received by agency: 12/03/1992

Facility name: CHEMWOOD TREATMENT CO INC

Classification: Small Quantity Generator

Date form received by agency: 03/11/1992

Facility name: CHEMWOOD TREATMENT CO INC Site name: CHEMWOOD TREATMENT

Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/30/1988
Event: RFI Imposition

Event date: 09/30/1988
Event: CMS Imposition

Event date: 11/15/1990

Event: RFI Workplan Approved

Event date: 03/15/1992

Event: CA Prioritization, Facility or area was assigned a high corrective

action priority.

Event date: 03/15/1992

Event: Stabilization Measures Evaluation, This facility is amenable to

stabilization activity based on the status of corrective action work

at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 05/02/1994

Event: CMS Workplan Approved

Event date: 01/31/1997

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **CHEMWOOD TREATMENT CO INC (Continued)**

1000303730

**EDR ID Number** 

Event: CMS Workplan Received

Event date: 05/26/1999

Event: Current Human Exposures under Control, Yes, Current Human Exposures

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

Event date: 05/26/1999

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

significant changes at the facility.

Event date: 12/15/2008 Event: CA024

Event date: Not reported

Event: Date For Remedy Selection (CM Imposed)

Event date: Not reported

Event: Corrective Measures Design Approved

Event date: Not reported

Event: CMI Workplan Approved

Event date: Not reported

Event: Certification Of Remedy Completion Or Construction Completion

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 12/11/1991
Date achieved compliance: 02/14/1992
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/14/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/17/1986
Date achieved compliance: 05/11/1989

Direction Distance

Elevation Site Database(s) EPA ID Number

### **CHEMWOOD TREATMENT CO INC (Continued)**

1000303730

**EDR ID Number** 

Violation lead agency: EPA

Enforcement action: REFERRAL TO CRIMINAL

Enforcement action date: 03/12/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270 TSD - General Area of violation: 07/25/1985 Date violation determined: Date achieved compliance: 02/18/1986 Violation lead agency: State Enforcement action: Not reported Enforcement action date: 12/23/1985 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: **EPA** 

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

**Evaluation Action Summary:** 

Evaluation date: 08/08/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 12/11/2002

Evaluation: FOLLOW-UP INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 01/12/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 07/29/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 11/14/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 02/14/1992 Evaluation lead agency: EPA

Evaluation date: 12/27/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

## CHEMWOOD TREATMENT CO INC (Continued)

1000303730

**EDR ID Number** 

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/24/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 10/17/1986

Evaluation: CASE DEVELOPMENT INSPECTION

Area of violation: TSD - General Date achieved compliance: 05/11/1989 Evaluation lead agency: EPA

Evaluation date: 06/17/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Not reported
Not reported

Evaluation lead agency: EPA

Evaluation date: 07/25/1985

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 02/18/1986 Evaluation lead agency: State

FINDS:

Registry ID:

Registry ID: 110000913334

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

110013779704

Environmental Interest/Information System

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants,

Map ID Direction Distance Elevation MAP FINDINGS

Site EDR ID Number

Database(s) EPA ID Number

### **CHEMWOOD TREATMENT CO INC (Continued)**

1000303730

properties, sites and targeted assessments.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

D16 DIVISION OF FORESTRY AND WILDLIFE HEADQUARTERS

SSW 2003 N KING ST 1/4-1/2 HONOLULU, HI 96819

0.440 mi.

2326 ft. Site 2 of 3 in cluster D

Relative:

FINDS:

Lower

Registry ID: 110013781167

Actual: 45 ft.

Environmental Interest/Information System

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants, properties, sites and targeted assessments.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii

FINDS

SHWS

**SPILLS** 

**ENG CONTROLS** 

1006820199

N/A

Map ID MAP FINDINGS
Direction

Distance Elevation

ation Site Database(s) EPA ID Number

#### **DIVISION OF FORESTRY AND WILDLIFE HEADQUARTERS (Continued)**

1006820199

**EDR ID Number** 

state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

SHWS:

Organization: Merton Lau Supplemental Location Text: Not reported Island: Oahu

Environmental Interest: Factory Street Lead
Hid Number: HI000049775
Facility Registry Identifier: 110013781167
Lead Agency: HEER

Program: State

Project Manager: Mark Sutterfield Hazard Priority: NFA

Hazard Priority: NFA
Site Status: NFA
Action: Response

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 9/30/1995 12:53:42 AM

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19930827

Units: Factory Street Lead Kalihi 1-2-11:1

Substances: Lead Less Or Greater Than: Not reported Not reported Numerical Quantity: Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Bill Perry Assignment End Date: Not reported

Result: 8

File Under: Merton Lau

Incident: Elevated blood lead in children was reported. High levels in soil discovered

in subsequent investigation. Took samples, paint, soil and dust, to be analyzed for lead. Related to Factory Street Lead as an investigation of other possible

sources of lead for the children involved. Lead paint chips

Initial: Sampling. Order issued. Soils removed 6" from the surface. Site capped. Factory

Street determined to be the property of Mr. Merton Lau. EPA completed verification sampling and PRP search.SOSCs obtained samples from 2806 residence. Lead was discovered in household. DOH, Health Services advised parents.SOSCs obtained samples from #201 residence. No significant levels of lead discovered in household. DOH, Health Services could not determine a source

for the child's exposure.

Report: Not reported

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19930923-2
Units: Lead paint chips
Substances: Not reported
Less Or Greater Than: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **DIVISION OF FORESTRY AND WILDLIFE HEADQUARTERS (Continued)**

1006820199

**EDR ID Number** 

Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Bill Perry
Assignment End Date: Not reported

Result: 8

File Under: Merton Lau

Incident: Elevated blood lead in children was reported. High levels in soil discovered

in subsequent investigation. Took samples, paint, soil and dust, to be analyzed for lead. Related to Factory Street Lead as an investigation of other possible

sources of lead for the children involved.Lead paint chips

Initial: Sampling. Order issued. Soils removed 6" from the surface. Site capped. Factory

Street determined to be the property of Mr. Merton Lau. EPA completed verification sampling and PRP search.SOSCs obtained samples from 2806 residence. Lead was discovered in household. DOH, Health Services advised parents.SOSCs obtained samples from #201 residence. No significant levels of lead discovered in household. DOH, Health Services could not determine a source

for the child's exposure.

Report: Not reported

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19930924

Units: Henry Street Lead Sampling

Substances: Lead Less Or Greater Than: Not reported **Numerical Quantity:** Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Bill Perry Assignment End Date: Not reported

Result: 8

File Under: Merton Lau

Incident: Elevated blood lead in children was reported. High levels in soil discovered

in subsequent investigation. Took samples, paint, soil and dust, to be analyzed for lead. Related to Factory Street Lead as an investigation of other possible

sources of lead for the children involved.Lead paint chips

Initial: Sampling. Order issued. Soils removed 6" from the surface. Site capped. Factory

Street determined to be the property of Mr. Merton Lau. EPA completed verification sampling and PRP search.SOSCs obtained samples from 2806 residence. Lead was discovered in household. DOH, Health Services advised parents.SOSCs obtained samples from #201 residence. No significant levels of lead discovered in household. DOH, Health Services could not determine a source

for the child's exposure.

Report: Not reported

**ENG CONTROLS:** 

Supplemental Location Text: Not reported Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Direction Distance

Elevation Site Database(s) EPA ID Number

CERC-NFRAP 1003879898

HI0000049775

**EDR ID Number** 

D17 FACTORY STREET SITE SSW 2003 N. KING STREET 1/4-1/2 HONOLULU, HI 96812

0.440 mi.

2326 ft. Site 3 of 3 in cluster D

Relative: CERC-NFRAP:

**Lower** Site ID: 0904939

Federal Facility: Not a Federal Facility

Actual: NPL Status: Not on the NPL

45 ft. Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: RPM

Contact Name: Eugenia Chow Contact Tel: (415) 972-3160

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/10/1993
Priority Level: Not reported

Action: NON-NPL PRP SEARCH

Date Started: 02/06/1995
Date Completed: Not reported
Priority Level: Not reported

Action: Notice Letters Issued

Date Started: Not reported
Date Completed: 03/24/1995
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 05/25/1995

Priority Level: Higher priority for further assessment

Action: SITE INSPECTION

Date Started: 02/17/1995 Date Completed: 09/25/1996

Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/06/1997
Priority Level: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

 18
 PACIFIC TIRE
 FINDS 1006842447

 SSW 1955 N KING ST
 LUST N/A

1/4-1/2 0.455 mi. 2404 ft.

Relative: FINDS:

Lower

Registry ID: 110014038852

Actual: 43 ft.

Environmental Interest/Information System

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for

downloading.

LUST:

Facility ID: 9-101450

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 9/9/1993 Release ID: 930133 Project Officer: Not Assigned

19 ISLAND MINI-MART NORTH KING

HONOLULU, HI 96819

South 1860 N KING ST 1/4-1/2 HONOLULU, HI 96819

0.474 mi. 2504 ft.

Relative: LUST:

**Lower** Facility ID: 9-101186

Facility Status: LUST Cleanup Initiated

Actual: Facility Status Date: 44 ft. Release ID:

Release ID: 080005 Project Officer: Shunsheng Fu

Facility ID: 9-101186

Facility Status: Monitored Natural Attenuation

11/8/2008

Facility Status Date: 9/14/2005 Release ID: 020036 Project Officer: Shunsheng Fu

UST:

Facility ID: 9-101186

Owner: ALOHA PETROLEUM, LTD.
Owner Address: 1132 BISHOP STREET, SUITE 1700

Ownder City, St, Zip: Honolulu, 96819 96819

Tank ID: 10

Date Installed: 12/31/1987

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 8000
Substance: Diesel

Tank ID: 7

Date Installed: 12/31/1987

LUST

UST

U003154501

N/A

Direction
Distance
Elevation

evation Site Database(s) EPA ID Number

## ISLAND MINI-MART NORTH KING (Continued)

Tank Status:Currently In UseDate Closed:Not reportedTank Capacity:6000Substance:Diesel

Tank ID: 87

Date Installed: 12/31/1980

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 8000
Substance: Gasoline

Tank ID: 92

Date Installed: 12/31/1987

Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 8000
Substance: Gasoline

Tank ID: R-1 Date Installed: 4/4/1980

Tank Status: Permanently Out of Use

Date Closed: 8/1/1987
Tank Capacity: 6000
Substance: Gasoline

Tank ID: R-11

Date Installed: Not reported

Tank Status: Permanently Out of Use

Date Closed: 3/21/1994
Tank Capacity: 1000
Substance: Used Oil

Tank ID: R-2 Date Installed: 4/4/1980

Tank Status: Permanently Out of Use

Date Closed: Not reported Tank Capacity: 8000 Substance: Gasoline

Tank ID: R-3 Date Installed: 4/4/1980

Tank Status: Permanently Out of Use

Date Closed: 8/1/1987
Tank Capacity: 3800
Substance: Gasoline

Tank ID: R-4
Date Installed: 4/4/1970

Tank Status: Permanently Out of Use

**EDR ID Number** 

U003154501

Direction Distance

Elevation Site Database(s) EPA ID Number

# ISLAND MINI-MART NORTH KING (Continued)

U003154501

**EDR ID Number** 

Date Closed: Not reported Tank Capacity: 550 Substance: Gasoline

Tank ID: R-5 Date Installed: 4/4/1966

Tank Status: Permanently Out of Use

Date Closed: Not reported Tank Capacity: 550 Substance: Used Oil

Tank ID: R-6 Date Installed: 4/4/1966

Tank Status: Permanently Out of Use

Date Closed: Not reported Tank Capacity: 550 Substance: Used Oil

20 MORRIS ANGELO SSW 905 FACTORY ST 1/4-1/2 HONOLULU, HI 96819 FINDS 1006843570 LUST N/A

HAZNET

0.493 mi. 2602 ft.

Relative: FINDS:

Lower

Registry ID: 110014051346

Actual: 41 ft.

Environmental Interest/Information System

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for

downloading.

LUST:

Facility ID: 9-103511

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 5/3/1999
Release ID: 990189
Project Officer: Renato Maniulit

HAZNET:

Gepaid: HIC990211053
Contact: MORRIS ANGELO
Telephone: 000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 911-E MIDDLE ST

Mailing City,St,Zip: HONOLULU, HI 968190000

Gen County: 99

TSD EPA ID: CAD000088252 TSD County: Los Angeles

Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Disposal Method: Transfer Station

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**MORRIS ANGELO (Continued)** 1006843570

Tons: 1.668 Facility County: 99

**FARRINGTON HIGH SCHOOL** 1007277849 21 **FTTS** 

South **1564 N KING ST HIST FTTS** N/A HONOLULU, HI 96817 1/2-1 **SHWS SPILLS** 

0.558 mi. 2947 ft.

FTTS INSP: Relative:

Inspection Number: 19910624R7016 2 Lower

Region: 07 Actual: 06/24/91 Inspection Date: 45 ft.

Inspector: **CURRY** Violation occurred: No

Asbestos, ASHAA Ongoing Investigation Type: Investigation Reason: For Cause, Government

Legislation Code: **TSCA** Facility Function: User

HIST FTTS INSP:

Inspection Number: 19910624R7016 2

Region: 07

Inspection Date: Not reported Inspector: **CURRY** Violation occurred:

Investigation Type: Asbestos, ASHAA Ongoing Investigation Reason: For Cause, Government

Legislation Code: **TSCA** Facility Function: User

SHWS:

State of Hawaii, Department of Education Organization:

Supplemental Location Text: Not reported Oahu Island:

Farrington High School Environmental Interest: Hid Number: HID984467050 Facility Registry Identifier: 110009278753

Lead Agency: Not reported Program: State Project Manager: Eric Sadoyama

Hazard Priority: Low Site Status: Closed Action: Assessment

Potential Hazards And Controls: Hazard Undetermined

Closure Document Title: Closed - Documentation Inadequate to Evaluate Risk

Date Of Closure Document: 1/30/1997 1:08:37 AM

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19890713

FARRINGTON HIGH SCHOOL, ATHLETIC DEPARTMENT Units:

Diesel Fuel Substances:

Direction Distance

Elevation Site Database(s) EPA ID Number

## **FARRINGTON HIGH SCHOOL (Continued)**

1007277849

**EDR ID Number** 

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Not reported Assignment End Date: Not reported

Result: 8

File Under: State of Hawaii, Department of Education

Incident: DIESEL FUEL WAS RELEASED.small thermometer brokenDiesel Fuel leaked out of UST

during its proposed removal on 07/13/89. The UST was classified as Heating Oil

Tank. This type of Tank is not regulated & is exempt from Federal UST

Regulations TESTS WERE RUN ON CLASSROOM CHEMICALS STORED ON THE THIRD FLOOR OF

THE SCIENCE BUILDING.

Initial: REMOVAL OF UST TANKSSpoke with HazMat and with Department of Education Health

and Safety. DOE will conduct the cleanup.Initially in August of 1989, DOH /UST responded but found Oil Heating Tank exempt from Federal Regulations. However another UST ( 2000 gals) was to be removed from another Location but same site

& a Bioremediation Pit was to beRESULTS WERE RELEASED.

Report: No further action at this time.

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19910725-1

Units: Farrington High School Chemistry class chemicals tested

Substances: CHEMISTRY CLASS CHEMICALS

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Not reported Assignment End Date: Not reported

Result: 8

File Under: State of Hawaii, Department of Education

Incident: DIESEL FUEL WAS RELEASED.small thermometer brokenDiesel Fuel leaked out of UST

during its proposed removal on 07/13/89. The UST was classified as Heating Oil

Tank. This type of Tank is not regulated & is exempt from Federal UST

Regulations.TESTS WERE RUN ON CLASSROOM CHEMICALS STORED ON THE THIRD FLOOR OF

THE SCIENCE BUILDING.

Initial: REMOVAL OF UST TANKSSpoke with HazMat and with Department of Education Health

and Safety. DOE will conduct the cleanup.Initially in August of 1989, DOH /UST responded but found Oil Heating Tank exempt from Federal Regulations. However another UST ( 2000 gals) was to be removed from another Location but same site

& a Bioremediation Pit was to beRESULTS WERE RELEASED.

Report: No further action at this time.

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19920427-1

Units: Farrington High School leaking UST

Substances: Diesel Fuel (Petroleum)

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported

Direction Distance

**EDR ID Number** Elevation **EPA ID Number** Site Database(s)

## **FARRINGTON HIGH SCHOOL (Continued)**

1007277849

Activity Lead: Sheila Mackenzie Assignment End Date: Not reported

Result: 8

State of Hawaii, Department of Education File Under:

Incident: DIESEL FUEL WAS RELEASED.small thermometer brokenDiesel Fuel leaked out of UST

during its proposed removal on 07/13/89. The UST was classified as Heating Oil

Tank. This type of Tank is not regulated & is exempt from Federal UST

Regulations.TESTS WERE RUN ON CLASSROOM CHEMICALS STORED ON THE THIRD FLOOR OF

THE SCIENCE BUILDING.

Initial: REMOVAL OF UST TANKSSpoke with HazMat and with Department of Education Health

> and Safety. DOE will conduct the cleanup. Initially in August of 1989, DOH /UST responded but found Oil Heating Tank exempt from Federal Regulations. However another UST (2000 gals) was to be removed from another Location but same site

& a Bioremediation Pit was to beRESULTS WERE RELEASED.

Report: No further action at this time.

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 20050309-1109 Units: **Broken Thermometer** 

Substances: Mercury Less Or Greater Than: Numerical Quantity: Units: Pounds Activity Type: Response Assignment Date: 3/9/2005 Activity Lead: Liz Galvez Assignment End Date: 3/9/2005

Result:

State of Hawaii, Department of Education File Under:

DIESEL FUEL WAS RELEASED.small thermometer brokenDiesel Fuel leaked out of UST Incident:

during its proposed removal on 07/13/89. The UST was classified as Heating Oil

Tank. This type of Tank is not regulated & is exempt from Federal UST

Regulations. TESTS WERE RUN ON CLASSROOM CHEMICALS STORED ON THE THIRD FLOOR OF

THE SCIENCE BUILDING.

REMOVAL OF UST TANKSSpoke with HazMat and with Department of Education Health Initial:

and Safety. DOE will conduct the cleanup. Initially in August of 1989, DOH /UST responded but found Oil Heating Tank exempt from Federal Regulations. However another UST (2000 gals) was to be removed from another Location but same site

& a Bioremediation Pit was to beRESULTS WERE RELEASED.

No further action at this time. Report:

S106818124 22 **KALIHI-PALAMA BUS FACILITY** SHWS **SPILLS** N/A

wsw 811 MIDDLE ST HONOLULU, HI 96819 1/2-1

0.665 mi. 3512 ft.

Actual:

SHWS: Relative:

City and County of Honolulu, Department of Transportation Services, Public Transit Division Organization: Lower

Supplemental Location Text: Not reported Island: Oahu

24 ft. Kalihi-Palama Bus Facility **Environmental Interest:** 

Hid Number: Not reported

Facility Registry Identifier: 110013788197 Lead Agency: SHWB Program: State

Project Manager: Eric Sadoyama

Direction Distance

Elevation Site Database(s) EPA ID Number

# KALIHI-PALAMA BUS FACILITY (Continued)

S106818124

**EDR ID Number** 

Hazard Priority:
Site Status:
Action:
Potential Hazards And Controls:
NFA
Assessment
No Hazard

Closure Document Title: NA - Type Undetermined Date Of Closure Document: 1/6/2006 1:19:09 AM

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19930125

Units: MTL Bus Barn, 811 Middle Street, Honolulu, Oahu, HI

Substances: Lube Oil Less Or Greater Than: Not reported **Numerical Quantity:** 200 Units: Gallons Activity Type: Response Assignment Date: Not reported Activity Lead: Not reported Assignment End Date: Not reported

Result: 8

File Under: City and County of Honolulu, Department of Transportation Services,

**Public Transit Division** 

Incident: Possible design problem between the primary and secondary pump causing the

secondary tank to overflow. Excavation of pit gravel being sone to find extent of fuel and source of release. Spill occurred while during filling up process.

Initial: not givenUnocal cleaned up spill.

Report: Not reported

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19960716-0000

Units: Middle Street Bus Facility

Substances: Fuel

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: 7/16/1996

Activity Lead: Bryce Hataoka, Curtis Mar

Assignment End Date: Not reported

Result: 8

File Under: City and County of Honolulu, Department of Transportation Services,

**Public Transit Division** 

Incident: Possible design problem between the primary and secondary pump causing the

secondary tank to overflow. Excavation of pit gravel being sone to find extent of fuel and source of release. Spill occurred while during filling up process.

Initial: not givenUnocal cleaned up spill.

Report: Not reported

Direction Distance

Actual:

174 ft.

Elevation Site Database(s) EPA ID Number

23 IKE KATAYAMA RESIDENCE RCRA-CESQG 1000202706
East 1887 MAKUAKANE ST FINDS HID981616469

 1/2-1
 HONOLULU, HI 96817
 SHWS

 0.677 mi.
 SPILLS

 3573 ft.
 ENG CONTROLS

Relative: RCRA-CESQG:

Higher Date form received by agency: 01/24/2007

Facility name: KAMEHAMEHA SCOOLS
Facility address: 1887 MAKUAKANE ST
HONOLULU, HI 96817

EPA ID: HID981616469
Contact: LUM MICHAEL
Contact address: 1887 MAKUAKANE ST

HONOLULU, HI 96817

Contact country: US

Contact telephone: (808) 842-8603 Contact email: Not reported

EPA Region: 09 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: KAMEHAMEHA SCHOOLS BISHOP ESTATE

Owner/operator address: 567 S KING ST STE 150 HONOLULU, HI 96813

Owner/operator country: Not reported
Owner/operator telephone: (808) 842-8603
Legal status: Private
Owner/Operator Type: Owner
Owner/Operator date: Not reported

Owner/Op start date:
Owner/Op end date:

Not reported
Not reported

Owner/operator name: NOT REQUIRED NOT REQUIRED NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## IKE KATAYAMA RESIDENCE (Continued)

1000202706

**EDR ID Number** 

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No Unknown On-site burner exemption: Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Verified to be non-commercial

#### **Historical Generators:**

Date form received by agency: 10/14/1998

Facility name: KAMEHAMEHA SCOOLS
Site name: KAMEHAMEHA SCHOOLS
Classification: Large Quantity Generator

Date form received by agency: 11/08/1996

Facility name: KAMEHAMEHA SCOOLS Classification: Large Quantity Generator

### Facility Has Received Notices of Violations:

Regulation violated: S - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/07/2001

Date achieved compliance: 06/27/2001 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: S - 279.20-24 Area of violation: Used Oil - Generators

05/07/2001

Date achieved compliance: 06/27/2001 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Date violation determined:

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

## IKE KATAYAMA RESIDENCE (Continued)

1000202706

**EDR ID Number** 

Regulation violated: S - 262.30-34.C Area of violation: Generators - General

05/07/2001 Date violation determined: Date achieved compliance: 06/27/2001 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: Not reported Proposed penalty amount: Not reported Not reported Final penalty amount: Paid penalty amount: Not reported

**Evaluation Action Summary:** 

Evaluation date: 09/07/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/15/2006

Evaluation: NOT A SIGNIFICANT NON-COMPLIER

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/28/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 06/27/2001 Evaluation lead agency: State

Evaluation date: 11/28/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 06/27/2001 Evaluation lead agency: State

FINDS:

Registry ID: 110000789406

Environmental Interest/Information System

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants, properties, sites and targeted assessments.

SDWIS [WS] (Safe Drinking Water Information System (Water System) ). Water Systems can have one or more water system facilities. The water

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

# IKE KATAYAMA RESIDENCE (Continued)

1000202706

system will purchase water from several facilities. Drinking water information is stored in EPA's SDWIS, which contains information about public water systems and their violations of EPA's regulations for safe drinking water. These statutes and accompanying regulations establish maximum contaminant levels (MCL), treatment techniques, and monitoring and reporting requirements to ensure that water provided to customers is safe for human consumption.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

SHWS:

Organization: Kamehameha Schools Supplemental Location Text: Building 40, 40A & 41

Island: Oahu

Environmental Interest: Kamehameha Schools Rifle Range Lead Contamination

Hid Number: Not reported
Facility Registry Identifier: 110000789406
Lead Agency: HEER
Program: State

Program: State
Project Manager: Diane England

Hazard Priority: NFA
Site Status: NFA
Action: Response

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 9/5/2006 1:15:45 AM

HI SPILLS:

Island: Oahu

Supplemental Loc. Text: Building 40, 40A & 41

Case Number: 19940727-27

Direction Distance

**EDR ID Number** Elevation **EPA ID Number** Site Database(s)

## **IKE KATAYAMA RESIDENCE (Continued)**

1000202706

Units: KAMEHAMEHA SCHOOLS, KAPALAMA H

SEE INCIDENT DESCRIPTION Substances:

Not reported Less Or Greater Than: Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Not reported Assignment End Date: Not reported

Result:

Kamehameha Schools File Under:

LETTER TO KAMEHAMEHA, INFORMING THEM ON PROPER CORRECTIVE ACTION REGARDING THE Incident:

DISPOSAL OF TWO UNDERGROUND STORAGE TANKS. The contractor collected 14 soil

samples in former shooting range, Kapalama Campus and the result is: total of lead concentration ranging fr. 904 mg/kg - 87300 mg/kg. Welding shop got cleaned, remove locker with bottles in. Use finger lift, and locker got tipped over. One 1-gal. bottle (1/3 full) not broken, one 1-quart bottle broken.Bldg 40 Paint Shop - Can of Mercury in safe lock file cabinet. Painters picked up cabinet and mercury spilled on base of loading dock and truck bed. NRC# 285772. Case Number changed to date input - dummy consecutive number on 02/14/2006 to

facilitate export to a MS SQL back end. Covered with tarp, bermed area. SOSC faxed notification guidelines to school. Getting quotes from Enviro. Serv. and Penco: Penco was hired to clean up.Clean up by Unitek. Clarence Fond

(architectural firm) 737-0799.

Report: Not reported

Initial:

Island: Oahu

Supplemental Loc. Text: Building 40, 40A & 41

Case Number: 19950405-2

Kamehameha Schools Building 40 Paint Shop Units:

Mercury Substances: Less Or Greater Than: Not reported Numerical Quantity: 0.25 Units: Gallons Activity Type: Response Assignment Date: Not reported Activity Lead: Chris Takeno Assignment End Date: Not reported

Result: 8

File Under: Kamehameha Schools

LETTER TO KAMEHAMEHA, INFORMING THEM ON PROPER CORRECTIVE ACTION REGARDING THE Incident:

DISPOSAL OF TWO UNDERGROUND STORAGE TANKS. The contractor collected 14 soil

samples in former shooting range, Kapalama Campus and the result is: total of lead concentration ranging fr. 904 mg/kg - 87300 mg/kg. Welding shop got cleaned, remove locker with bottles in. Use finger lift, and locker got tipped over. One 1-gal. bottle (1/3 full) not broken, one 1-guart bottle broken. Bldg 40 Paint Shop - Can of Mercury in safe lock file cabinet. Painters picked up

cabinet and mercury spilled on base of loading dock and truck bed. NRC# 285772. Case Number changed to date input - dummy consecutive number on 02/14/2006 to facilitate export to a MS SQL back end. Covered with tarp, bermed area. SOSC faxed notification guidelines to school. Getting guotes from Enviro. Serv. and

Penco; Penco was hired to clean up.Clean up by Unitek. Clarence Fong

(architectural firm) 737-0799.

Not reported Report:

Initial:

Island: Oahu

Supplemental Loc. Text: Building 40, 40A & 41

Direction Distance

**EDR ID Number** Elevation **EPA ID Number** Site Database(s)

## **IKE KATAYAMA RESIDENCE (Continued)**

1000202706

Case Number: 19980603-0847

Units: Kamehameha School - Outside Welding Shop

Mercury Substances: Less Or Greater Than: Not reported

**Numerical Quantity:** Units: Pints Activity Type: Response Assignment Date: 6/3/1998 Activity Lead: Terry Corpus Assignment End Date: Not reported

Result: 8

File Under: Kamehameha Schools

LETTER TO KAMEHAMEHA, INFORMING THEM ON PROPER CORRECTIVE ACTION REGARDING THE Incident:

DISPOSAL OF TWO UNDERGROUND STORAGE TANKS. The contractor collected 14 soil

samples in former shooting range, Kapalama Campus and the result is: total of lead concentration ranging fr. 904 mg/kg - 87300 mg/kg. Welding shop got cleaned, remove locker with bottles in. Use finger lift, and locker got tipped over. One 1-gal. bottle (1/3 full) not broken, one 1-guart bottle broken.Bldg 40 Paint Shop - Can of Mercury in safe lock file cabinet. Painters picked up cabinet and mercury spilled on base of loading dock and truck bed. NRC# 285772.

Initial: Case Number changed to date input - dummy consecutive number on 02/14/2006 to facilitate export to a MS SQL back end. Covered with tarp, bermed area. SOSC

faxed notification guidelines to school. Getting guotes from Enviro. Serv. and Penco; Penco was hired to clean up.Clean up by Unitek. Clarence Fong

(architectural firm) 737-0799.

Not reported Report:

Island: Oahu

Supplemental Loc. Text: Building 40, 40A & 41 Case Number: 20000331-1612

Units: Lead Contamination in Kamehameha School

Substances: Lead

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Response Activity Type: 3/31/2000 Assignment Date: Activity Lead: Terry Corpus Assignment End Date: Not reported

Result: R

File Under: Kamehameha Schools

LETTER TO KAMEHAMEHA, INFORMING THEM ON PROPER CORRECTIVE ACTION REGARDING THE Incident:

DISPOSAL OF TWO UNDERGROUND STORAGE TANKS. The contractor collected 14 soil

samples in former shooting range, Kapalama Campus and the result is: total of lead concentration ranging fr. 904 mg/kg - 87300 mg/kg. Welding shop got cleaned, remove locker with bottles in. Use finger lift, and locker got tipped over. One 1-gal. bottle (1/3 full) not broken, one 1-quart bottle broken.Bldg 40 Paint Shop - Can of Mercury in safe lock file cabinet. Painters picked up cabinet and mercury spilled on base of loading dock and truck bed. NRC# 285772.

Initial: Case Number changed to date input - dummy consecutive number on 02/14/2006 to

facilitate export to a MS SQL back end. Covered with tarp, bermed area. SOSC faxed notification guidelines to school. Getting quotes from Enviro. Serv. and Penco; Penco was hired to clean up.Clean up by Unitek. Clarence Fong

(architectural firm) 737-0799.

Report: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## IKE KATAYAMA RESIDENCE (Continued)

1000202706

**EDR ID Number** 

**ENG CONTROLS:** 

Supplemental Location Text: Building 40, 40A & 41

Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

 24
 THOHT PROPERTY
 SHWS S106820624

 SW 636 LAUMAKA ST
 SPILLS N/A

 1/2-1
 HONOLULU, HI 96819

0.686 mi. 3622 ft.

Relative: SHWS:

Lower Organization: Thoht Construction Supplemental Location Text: Thoht Construction 2216 Kaluaopalena St

Actual: Island: Oahu

21 ft. Environmental Interest: Th

Environmental Interest: Thoht Property
Hid Number: Not reported
Facility Registry Identifier: 110014038530

Lead Agency: SHWB
Program: RCRA
Project Manager: Steve Mow
Hazard Priority: Low

Site Status: Ongoing
Action: Assessment

Potential Hazards And Controls: Hazard Undetermined

Closure Document Title: Not reported Date Of Closure Document: Not reported

HI SPILLS:

Island: Oahu

Supplemental Loc. Text: 2216 Kaluaopalena St

Case Number: 19951120-2 Units: Thoht Property Substances: Gasoline Less Or Greater Than: Not reported **Numerical Quantity:** Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Steve Armann Assignment End Date: Not reported

Result: 8

File Under: Thoht Construction

Incident: Release from aotalknt property has contaminated subsurface soils and

groundwater with gasoline constituents.

Initial: Site visit.
Report: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

25 FORT SHAFTER BOLLARD SHWS S108008801 **SPILLS** N/A

West **1557 PASS ST** 

FORT SHAFTER, HI 96858 1/2-1

0.731 mi. 3860 ft.

SHWS: Relative:

United States, Department of Army, Fort Shafter Lower Organization:

Supplemental Location Text: Not reported

Actual: Oahu Island: 18 ft. **Environmental Interest:** 

Fort Shafter Bollard Hid Number: Not reported Facility Registry Identifier: Not reported

Lead Agency: Not reported Compliance Program: Project Manager: Anna Fernandez

Hazard Priority: NFA NFA Site Status: Action: Assessment Potential Hazards And Controls: Hazard Present

Closure Document Title: NFA - Type Undetermined Date Of Closure Document: 9/12/2006 1:18:40 AM

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported 20060523-1154 Case Number: Units: Fort Shafter Bollard

Hvdraulic Substances: Less Or Greater Than: **Numerical Quantity:** 20 Gallons Units: Response Activity Type: Assignment Date: 5/23/2006 Activity Lead: Liz Galvez Assignment End Date: 6/29/2006 Result: Not reported

File Under: United States, Department of Army, Fort Shafter

Incident: Hydraulic line attached to a bollard was ruptured when it was struck by a

vehicle

Initial: Spoke with caller. Triple booms have been applied

Not reported Report:

S106815333 26 2147 AOAO STREET SHWS ΝE **2147 AOAO ST SPILLS** N/A

HONOLULU, HI 96819 1/2-1

0.733 mi. 3872 ft.

SHWS: Relative:

Organization: Walter Kaneshiro Higher Supplemental Location Text: Off of Likelike Hwy

Actual: Island: Oahu

179 ft. Environmental Interest: 2147 Aoao Street UST Removal

Hid Number: Not reported Facility Registry Identifier: 110013783450 Lead Agency: **HEER** 

Program: State Project Manager: Richard Palmer

MAP FINDINGS Map ID

Direction Distance

Elevation Site **EPA ID Number** Database(s)

2147 AOAO STREET (Continued)

S106815333

**EDR ID Number** 

Hazard Priority: NFA Site Status: NFA Action: Response

Potential Hazards And Controls: Hazard Undetermined

Closure Document Title: Historic NFA - Incomplete Documentation

Date Of Closure Document: 10/21/1999 12:51:47 AM

HI SPILLS:

Report:

Island: Oahu

Supplemental Loc. Text: Off of Likelike Hwy Case Number: 19990726-0925

Units: Barrels at 2147 Aoao Street

Substances: Chlordane Less Or Greater Than: Not reported **Numerical Quantity:** Not reported Not reported Units: Activity Type: Response Assignment Date: 7/26/1999 Activity Lead: Liz Galvez Assignment End Date: Not reported

Result: 8

File Under: Walter Kaneshiro

Incident: Kas Construction uncovered barrels in a residential property.

Initial: 7/26/99: Site visit conducted - arrival at 10:15 a.m. Met with Mrs. Kaneshiro.

Contracted with PENCO to conduct removal. Samples requested to be collected

by PENCO, to be picked up by L. Galvez and to be analyzed by UH Lab. 7/26/99: According to Mrs. Faithve Kaneshiro, owner of the property (Mr.

Walter Kaneshiro - husband and co-owner of property) - telephone number 847-6925, the house that was recently demolished due to termites was built in

1962. Prior to that, thelot w

27 **GTE KAILUA BASEYARD** wsw 711 MIDDLE ST HONOLULU, HI 96819

1/2-1 0.750 mi. 3962 ft.

FINDS:

Relative: Lower

110013789560 Registry ID:

Actual:

12 ft. Environmental Interest/Information System

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for

downloading.

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as

environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants,

properties, sites and targeted assessments.

1006820927

N/A

**FINDS** 

**SHWS** 

**SPILLS** 

**ENG CONTROLS** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## GTE KAILUA BASEYARD (Continued)

1006820927

**EDR ID Number** 

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

SHWS:

Organization: Hawaii Meat Co. Ltd.

Supplemental Location Text:

Island:

Environmental Interest:

Hid Number:

Facility Registry Identifier:

Lead Agency:

Not reported

110013789560

HEFR

Lead Agency: HEER Program: State

Project Manager: Mark Sutterfield

Hazard Priority: NFA
Site Status: NFA
Action: Assessment

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 9/23/2004 1:13:48 AM

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19930111-5

Units: Old UST at Hawaii Meat

Bunker - C Fuel Substances: Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Not reported Assignment Date: Activity Lead: Terry Corpus Assignment End Date: Not reported

Result: 8

File Under: Hawaii Meat Co. Ltd.

Incident: UST stored fuel for reheating purposes. Over the years, the UST leaked Bunker

- C Fuel

Initial: Hawaii Meat will be cleaning up site.

Report: Not reported

**ENG CONTROLS:** 

Supplemental Location Text: Not reported Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Direction
Distance
Elevation Site
Database(s)

E28 HOUSE FOODS, HAWAII (FOREMOST) SHWS \$106817876

2277 KAMEHAMEHA HWY SPILLS N/A

1/2-1 HONOLULU, HI 96819

0.758 mi.

SW

4005 ft. Site 1 of 2 in cluster E

Relative: SHWS:

**Lower** Organization: House Foods Hawaii

Supplemental Location Text: Not reported

Actual: Island: Oahu 8 ft. Environmental Interest: House

Environmental Interest: House Foods, Hawaii (Foremost)
Hid Number: Not reported

Facility Registry Identifier: 110002148747
Lead Agency: Not reported
Program: State

Project Manager: Mark Sutterfield

Hazard Priority:
Site Status:
NFA
Action:
Response
Potential Hazards And Controls:
No Hazard

Closure Document Title: NFA - Type Undetermined Date Of Closure Document: 8/25/2005 1:19:02 AM

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20050822-0630

Units: Anhydrous Ammonia Release

Substances: Anhydrous Ammonia

Less Or Greater Than: Not reported

Numerical Quantity: 710
Units: lbs.
Activity Type: Response
Assignment Date: 8/22/2005
Activity Lead: Paul Chong
Assignment End Date: 9/23/2005

Result: 8

File Under: House Foods Hawaii

Incident: Release of Anhydrous Ammonia into the air via a broken Relief Valve

Initial: Not reported

Report: On Aug. 22, 2005 at 6:30 am I received a call from HFD Capt. C. Davis. Capt.

Davis informed me that at approx. 3:30 am dispatch received a call from the prison indicating they were smelling ammonia and it seams to coming from the

old Foremost plant on K

E29 GASPRO - HONOLULU SHWS S106817168 SW 2305 KAMEHAMEHA HWY SPILLS N/A

1/2-1 HONOLULU, HI 96819

0.764 mi.

4034 ft. Site 2 of 2 in cluster E

Relative: SHWS:

 Lower
 Organization:
 Gaspro

 Supplemental Location Text:
 Not reported

 Actual:
 Island:
 Oahu

7 ft. Environmental Interest: Gaspro Inc. HID980817712

Hid Number: HID980817712
Facility Registry Identifier: 110005723422
Lead Agency: Not reported

**EDR ID Number** 

**EPA ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### **GASPRO - HONOLULU (Continued)**

S106817168

**EDR ID Number** 

Program: State
Project Manager: Unassigned
Hazard Priority: NFA
Site Status: NFA
Action: Assessment

Potential Hazards And Controls: Hazard Undetermined
Closure Document Title: NFA - Type Undetermined
Date Of Closure Document: 2/5/1996 1:18:44 AM

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19910610-2

Units: KAMEHAMEHA HIGHWAY 2305

Substances: GAS CYLINDER Less Or Greater Than: Not reported

Numerical Quantity:

Units: Cylinder
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported

Result: 8 File Under: Gaspro

Incident: Compressor Oil Line broke releasing less than 2 quarts of substance into

concrete & storm drain.GAS CYLINDERS FOUND IN STREAM

Initial: OSC reported Gaspro cleaned up oil on concrete & storm drain. Some oil did

reach the stream but it dissipated further down in the stream. Also asked

Gaspro to call USCG and LEPC.2 CYLINDERS FOUND TO BE EMPTY. THEY WERE REMOVED.

Report: Not reported

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19930310

Units: Gaspro, 2305 Kam Hwy, Honolulu, Oahu, HI

Substances: Mineral Oil
Less Or Greater Than: Not reported
Numerical Quantity: 2
Units: Quarts
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported

Result: 8 File Under: Gaspro

Incident: Compressor Oil Line broke releasing less than 2 quarts of substance into

concrete & storm drain.GAS CYLINDERS FOUND IN STREAM

Initial: OSC reported Gaspro cleaned up oil on concrete & storm drain. Some oil did

reach the stream but it dissipated further down in the stream. Also asked

Gaspro to call USCG and LEPC.2 CYLINDERS FOUND TO BE EMPTY. THEY WERE REMOVED.

Report: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

30 DILLINGHAM BOULEVARD & MOKAUEA STREET SHWS S106816881 SSW DILLINGHAM BLVD / MOKAUEA ST N/A

SSW DILLINGHAM BLVD / MOKAUEA ST 1/2-1 HONOLULU, HI 96819

1/2-1 0.771 mi. 4070 ft.

Relative: SHWS:

Lower Organization: Verizon Hawaii

Supplemental Location Text: Not reported Actual: Supplemental Location Text: Oahu

23 ft. Environmental Interest: Dillingham and Mokauea

Hid Number: Not reported Facility Registry Identifier: 110013781372

Lead Agency:HEERProgram:StateProject Manager:Steve MowHazard Priority:NFASite Status:NFAAction:Assessment

Potential Hazards And Controls: Hazard Undetermined
Closure Document Title: NFA - Type Undetermined
Date Of Closure Document: 4/21/2005 1:18:32 AM

F31 TRASH CAN NEAR MAKAI ANIMAL CLINIC, KAILUA FINDS 1006819624

WSW 621 MIDDLE ST SHWS N/A 1/2-1 HONOLULU, HI 96819 SPILLS

0.840 mi.

4435 ft. Site 1 of 2 in cluster F

Relative: FINDS:

Lower

Registry ID: 110013774601

Actual: 3 ft.

Environmental Interest/Information System

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP

reporters and long term types of site investigations such as environmental cleanup study areas, state cleanup sites, Superfund NPL

sites, voluntary clean up programs and Brownfields Pilot/Grants,

properties, sites and targeted assessments.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

SHWS:

Organization: Yee Hop Realty Ltd Supplemental Location Text: Not reported

**EDR ID Number** 

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### TRASH CAN NEAR MAKAI ANIMAL CLINIC, KAILUA (Continued)

1006819624

Island: Oahu

Environmental Interest: Yee Hop Property Not reported Hid Number: Facility Registry Identifier: 110013774601 Lead Agency: **HEER** 

Program: State

Mark Sutterfield Project Manager:

Hazard Priority: Low Site Status: Ongoing Action: Assessment

Potential Hazards And Controls: Hazard Undetermined

Closure Document Title: Not reported Date Of Closure Document: Not reported

HI SPILLS:

Oahu Island: Supplemental Loc. Text: Not reported Case Number: 19950309

Units: Yee Hop Dewatering

Diesel Fuel Substances: Not reported Less Or Greater Than: **Numerical Quantity:** Not reported Units: Not reported Activity Type: Response Not reported Assignment Date: Activity Lead: **Terry Corpus** Assignment End Date: Not reported

Result:

File Under: Yee Hop Realty Ltd

black oil leaching from Yee Hop properties into the Kalihi streamDuring Incident:

dewatering activities, crew was discharging oily water into the stream

Initial: USCG placed boom in streamUSCG placed absorbant booms in stream

Report: Not reported

Island: Oahu Supplemental Loc. Text: Not reported 19950310-3 Case Number:

Units: Yee Hop Black Oil Leaching form Soil

Substances: oil (black) Not reported Less Or Greater Than: Not reported **Numerical Quantity:** Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Bill Perry Assignment End Date: Not reported

Result:

File Under: Yee Hop Realty Ltd

black oil leaching from Yee Hop properties into the Kalihi streamDuring Incident:

dewatering activities, crew was discharging oily water into the stream

Initial: USCG placed boom in streamUSCG placed absorbant booms in stream

Report: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

F32 611 MIDDLE STREET WAREHOUSE SHWS S106815670

**ENG CONTROLS** 

WSW 611 MIDDLE ST LUST N/A
1/2-1 HONOLULU, HI 96819 SPILLS

1/2-1 HONOLULU, HI 96819 0.859 mi.

4538 ft. Site 2 of 2 in cluster F

Relative: SHWS:

**Lower** Organization: City and County of Honolulu

Supplemental Location Text: Not reported

Actual: Island: Oahu 3 ft. Favironmental Interest: Middle

Environmental Interest: Middle Street Intermodal Center

Hid Number: Not reported 110013783361 Facility Registry Identifier: Lead Agency: **HEER** Program: State Project Manager: Cal Miyahara Hazard Priority: NFA Site Status: NFA Action: Response

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 1/5/2009 1:24:18 AM

LUST:

Facility ID: 9-100227

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 3/15/2006 Release ID: 060019 Project Officer: Richard Takaba

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19930112

Units: Hawaii Environmental, syringe disposal

Substances: Syringe ( capped )
Less Or Greater Than: Not reported

Numerical Quantity: 1
Units: Syringe
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported

Result: 8

File Under: Yee Hop Realty Ltd

Incident: NoneBlack oily-like substance dumped on ground. Reported at Unit A.Warehouse

fire involving chlordane. Before contaminated area could be identified, the warehouse and contents were bulldozed. Soil sampled at 180 ppb (limit 30 ppb).

Chlordane found in ashes.

Initial: As indicated on report the private citizen disposed of the syringe

properly. Site visited 12/31/98. Island Pacific Paving is located in that area. Found no evidence of notification. Heavy equipment stored at site. Piles of broken asphlat were observed on site. Deferred to Solid Waste for follow

up.Owner - Yee Hop Reality/ Michael Chun

Report: Not reported

Island: Oahu Supplemental Loc. Text: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## 611 MIDDLE STREET WAREHOUSE (Continued)

S106815670

Case Number: 19950510

Units: 611 Middle St, warehouse fire

Substances: Chlordane Less Or Greater Than: Not reported **Numerical Quantity:** Not reported Units: Not reported Activity Type: Response Assignment Date: 5/10/1995 Activity Lead: Laura Young Assignment End Date: Not reported

Result: 8

Yee Hop Realty Ltd File Under:

Incident: NoneBlack oily-like substance dumped on ground. Reported at Unit A.Warehouse

> fire involving chlordane. Before contaminated area could be identified, the warehouse and contents were bulldozed. Soil sampled at 180 ppb (limit 30 ppb).

Chlordane found in ashes.

Initial: As indicated on report the private citizen disposed of the syringe

> properly. Site visited 12/31/98. Island Pacific Paving is located in that area. Found no evidence of notification. Heavy equipment stored at site. Piles of broken asphlat were observed on site. Deferred to Solid Waste for follow

up.Owner - Yee Hop Reality/ Michael Chun

Report: Not reported

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 19981228-1320

Units: 611A Middle St, oily substance

Substances: Not reported Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: 12/28/1998 Activity Lead: Terry Corpus Assignment End Date: Not reported

Result:

File Under: Yee Hop Realty Ltd

Incident: NoneBlack oily-like substance dumped on ground. Reported at Unit A.Warehouse

> fire involving chlordane. Before contaminated area could be identified, the warehouse and contents were bulldozed. Soil sampled at 180 ppb (limit 30 ppb).

Chlordane found in ashes.

As indicated on report the private citizen disposed of the syringe Initial:

properly. Site visited 12/31/98. Island Pacific Paving is located in that area. Found no evidence of notification. Heavy equipment stored at site. Piles of broken asphlat were observed on site. Deferred to Solid Waste for follow

up.Owner - Yee Hop Reality/ Michael Chun

Not reported Report:

**ENG CONTROLS:** 

Supplemental Location Text: Not reported Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Direction Distance

4870 ft.

Distance EDR ID Number
Elevation Site EPA ID Number

33 TAKAMIYA PROPERTY SHWS \$106820561 SSE 850 MOOWAA ST SPILLS N/A

1/2-1 HONOLULU, HI 96817 0.922 mi.

Relative: SHWS:

Lower Organization: Takamiya Property

Supplemental Location Text: Not reported

Actual: Island: Oahu 7 ft. Faviranmental Interest: Takan

Environmental Interest: Takamiya Property
Hid Number: HID984468371
Facility Registry Identifier: 110009278771

Lead Agency: HEER Program: State

Project Manager: Mark Sutterfield

Hazard Priority: NFA
Site Status: NFA
Action: Response
Potential Hazards And Controls: No Hazard

Closure Document Title: NFA Letter - Unrestricted Residential Use

Date Of Closure Document: 8/15/1994 1:28:37 AM

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19910308-1

Units: Ms. Jane Takamiya, 850 Moowaa Street

Substances: SUMP WITH CONTAMINATED SOIL AND WATER. (METALS AND CHLORDONE)

Less Or Greater Than: Not reported Numerical Quantity: Not reported Units: Not reported Activity Type: Response Assignment Date: Not reported Activity Lead: Pierette Arroyo Assignment End Date: Result: Not reported 8

File Under: Takamiya Property

Incident: REPORTING OF HAZARDOUS WASTE LOCATED AT 850 MOOWAA ST.

Initial: Not reported Report: Not reported

34 ROSS TRUSTS SHWS \$103290154 SSE 819 MOOWAA ST VCP N/A

1/2-1 HONOLULU, HI 96817

0.934 mi. 4932 ft.

Relative: SHWS:

Lower Organization: Ross Trusts
Supplemental Location Text: Not reported

Actual: Island: Oahu
7 ft. Environmental Interest: Ross Trusts
Hid Number: Not reported

Facility Registry Identifier: 110013778634
Lead Agency: HEER
Program: VRP

Project Manager: Mark Sutterfield

Hazard Priority: NFA

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ROSS TRUSTS (Continued)** S103290154

NFA Site Status: Action: Response Potential Hazards And Controls: No Hazard

Closure Document Title: LOC - Unrestricted Residential Use

Date Of Closure Document: 9/9/2002 1:12:28 AM

VCP:

VRP Program:

35 2326 KALIHI STREET UST SHWS S106815373

**ENE** 2326 KALIHI ST **SPILLS** N/A

HONOLULU, HI 96819 1/2-1 **ENG CONTROLS** 

0.974 mi. 5144 ft.

SHWS: Relative:

Organization: KFG Properties, Inc. Higher Supplemental Location Text: Not reported

Actual: Island: Oahu

218 ft. **Environmental Interest:** 2326 Kalihi Street UST

> Not reported Hid Number: Facility Registry Identifier: Not reported Lead Agency: Not reported Program: State

Project Manager: Ukris Wongse-Ont

Hazard Priority: NFA NFA Site Status: Action: Response

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 2/7/2005 1:14:10 AM

HI SPILLS:

Island: Oahu Supplemental Loc. Text: Not reported Case Number: 20041020-1441

2326 Kalihi Street UST release Units:

Heating Oil Substances: Not reported Less Or Greater Than: **Numerical Quantity:** Not reported Units: Unknown Response Activity Type: Assignment Date: 10/20/2004 Activity Lead: Liz Galvez Assignment End Date: 10/20/2004

Result:

File Under: KFG Properties, Inc.

Incident: release from an underground storage tank used for heating oil

Referral to ISST Initial:

Report: No further action at this time.

ENG CONTROLS:

Supplemental Location Text: Not reported Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Direction Distance

Elevation Site Database(s) EPA ID Number

 36
 FAA TRANSMITTER
 FINDS 1006820922

 SSE
 1138 N KING ST
 SHWS N/A

 1/2-1
 HONOLULU, HI 96817
 ENG CONTROLS

0.999 mi. 5276 ft.

Relative: FINDS:

Lower

Registry ID: 110013789506

Actual:

8 ft. Environmental Interest/Information System

Hawaii Hazard Evaluation and Emergency Response (HEER-FRS) system maintains basic information for facility/sites of interest to state of Hawaii, Department of Health, Hazard Evaluation and Emergency Response. It is used to index sites for hardcopy file retrieval and to present limited site status information. The environmental interests included are: release assessments, TRI reporters, EPCRA filers, RMP reporters and long term types of site investigations such as

environmental cleanup study areas, state cleanup sites, Superfund NPL sites, voluntary clean up programs and Brownfields Pilot/Grants,

properties, sites and targeted assessments.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

SHWS:

Organization: Verizon Hawaii
Supplemental Location Text: Not reported
Island: Oahu

Environmental Interest: GTE-Hawaiian Tel Employees Federal Credit Union (HTEFCU)

Hid Number: Not reported
Facility Registry Identifier: 110013789506
Lead Agency: HEER
Program: State

Program: State
Project Manager: Steve Mow
Hazard Priority: NFA
Site Status: NFA
Action: Response

Potential Hazards And Controls: Hazard Managed With Engineering Controls

Closure Document Title: NFA Letter - Restricted Use Date Of Closure Document: 4/21/2005 1:18:45 AM

ENG CONTROLS:

Supplemental Location Text: Not reported Island: Oahu

Potential Hazards And Controls: Hazard Managed With Engineering Controls

**EDR ID Number** 

#### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FORT SHAFTER	1000392524	USARMY FORT KEMEHAMEHA	FORT KAMEHAMEHA	96858	FINDS,RCRA-NLR
HONOLULU	1001967856	AMERICAN MARINE CORP	65 N NIMITZ HWY PIER 14	96817	PADS,RCRA-CESQG
HONOLULU	1003879112	ABC DSPL	2760 KAMEHAMEHA HWY	96819	CERCLIS-NFRAP
HONOLULU	1003879931	KEEHI LAGOON CANOE FACILITY	KEEHI LAGOON	96819	CERCLIS,FINDS
HONOLULU	1006820337	ABC DISPOSAL COMPANY	2760 KAMEHAMEHA HWY	96819	FINDS,HWS
HONOLULU	1006842904	OAHU TIRE SERVICE & CO.	2808 KAMEHAMEHA HWY	96819	FINDS,LUST
HONOLULU	1012178118	NUUANU CONGREGATIONAL CHURCH	2651 PALI HWY	96817	RCRA-NLR
MOKULEIA	S106817395	HAWAIIAN BITUMULS PAVING & PRECAST	FARRINGTON HWY	96826	HWS
HONOLULU	S106819311	NIMITZ HIGHWAY WATER IMPROVEMENT P	N NIMITZ HWY	96817	HWS
HONOLULU	S106821044	WAILUPE BEACH PARK	KALANIANAOLE HWY		SPILLS
HONOLULU	S108008765	CITIZENS ENERGY SERVICES PIER 38	NIMITZ HWY		HWS,ENG CONTROLS,SPILLS
HONOLULU	S108859905	CHEVRON KAPALAMA NORTHEAST PARCEL	1105 N NIMITZ HWY	96817	HWS
HONOLULU	S108859941	861-869 NORTH NIMITZ HIGHWAY	861-869 N NIMITZ HWY	96817	HWS,ENG CONTROLS
HONOLULU	S109096040	580 NORTH NIMITZ HIGHWAY	580 N NIMITZ HWY	96817	HWS,ENG CONTROLS
HONOLULU	S109842039	AIRPORT USED CAR RENTAL INC.	3033 N NIMITZ HWY	96819	LUST
HONOLULU	S109842043	TESORO GAS EXPRESS #20	2260 KAMEHAMEHA HWY	96819	LUST
HONOLULU	S110061246	755 N NIMITZ HWY	755 N NIMITZ HWY		HWS,ENG CONTROLS
HONOLULU	S110061247	775 NORTH NIMITZ HIGHWAY	775 N NIMITZ HWY		HWS,ENG CONTROLS
HONOLULU	U004022801	MIDDLE STREET INTERMODAL CENTER	MIDDLE STREET AND KAMEHAMEHA H	96817	LUST,UST
HONOLULU	U004109519	KALIHI-UKA FIRE STATION	1861 KAMEHAMEHA IV HWY	96819	UST

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 11/01/2009 Source: EPA
Date Data Arrived at EDR: 11/13/2009 Telephone: N/A

Date Made Active in Reports: 01/11/2010 Last EDR Contact: 01/14/2010

Number of Days to Update: 59 Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 11/01/2009 Source: EPA
Date Data Arrived at EDR: 11/13/2009 Telephone: N/A

Date Made Active in Reports: 01/11/2010 Last EDR Contact: 01/14/2010

Number of Days to Update: 59 Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/17/2009

Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: No Update Planned

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/01/2009 Date Data Arrived at EDR: 11/13/2009 Date Made Active in Reports: 01/11/2010

Date Made Active in Reports: 01/

Number of Days to Update: 59

Source: EPA Telephone: N/A

Last EDR Contact: 01/14/2010

Next Scheduled EDR Contact: 04/26/2010 Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009 Date Data Arrived at EDR: 08/11/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 41

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 02/09/2010

Next Scheduled EDR Contact: 04/12/2010 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realighnment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 01/15/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/26/2010 Data Release Frequency: Varies

## Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 09/02/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 19

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/24/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/29/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 43

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 11/16/2009

Next Scheduled EDR Contact: 03/01/2010 Data Release Frequency: Quarterly

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/17/2009 Date Made Active in Reports: 01/11/2010

Number of Days to Update: 25

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/17/2009 Date Made Active in Reports: 01/11/2010

Number of Days to Update: 25

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/17/2009 Date Made Active in Reports: 01/11/2010

Number of Days to Update: 25

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/17/2009 Date Made Active in Reports: 01/11/2010

Number of Days to Update: 25

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010

Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/09/2009 Date Made Active in Reports: 11/09/2009

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/10/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 10/09/2009 Date Made Active in Reports: 11/09/2009

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/10/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/31/2009 Date Data Arrived at EDR: 09/17/2009 Date Made Active in Reports: 11/09/2009

Number of Days to Update: 53

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Annually

#### State- and tribal - equivalent CERCLIS

SHWS: Sites List

Facilities, sites or areas in which the Office of Hazard Evaluation and Emergency Response has an interest, has investigated or may investigate under HRS 128D (includes CERCLIS sites).

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/07/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 32

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 12/04/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Semi-Annually

# State and tribal landfill and/or solid waste disposal site lists

#### SWF/LF: Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2009 Date Data Arrived at EDR: 05/26/2009 Date Made Active in Reports: 06/25/2009

Number of Days to Update: 30

Source: Department of Health Telephone: 808-586-4245 Last EDR Contact: 01/06/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Varies

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/08/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 31

Source: Department of Health Telephone: 808-586-4228 Last EDR Contact: 12/07/2009

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/10/2009 Date Data Arrived at EDR: 11/12/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/07/2009 Date Data Arrived at EDR: 12/09/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 7

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 15

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 28

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/12/2009 Date Data Arrived at EDR: 11/12/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/24/2009 Date Data Arrived at EDR: 11/25/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

#### State and tribal registered storage tank lists

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/08/2009 Date Made Active in Reports: 01/13/2010

Number of Days to Update: 36

Source: Department of Health Telephone: 808-586-4228 Last EDR Contact: 12/07/2009

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 15

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 12/30/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 76

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/12/2009 Date Data Arrived at EDR: 11/12/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/10/2009 Date Data Arrived at EDR: 11/12/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 02/17/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/12/2009 Date Data Arrived at EDR: 11/20/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 26

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2009 Date Data Arrived at EDR: 11/05/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 41

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/07/2009 Date Data Arrived at EDR: 12/09/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 7

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 12/16/2009

Number of Days to Update: 48

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/18/2010

Next Scheduled EDR Contact: 05/03/2010 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Control Sites

A listing of sites with engineering controls in place.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/07/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 32

Source: Department of Health Telephone: 404-586-4249 Last EDR Contact: 12/04/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/07/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 32

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 12/04/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 01/05/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Varies

VCP: Voluntary Response Program Sites

Sites participating in the Voluntary Response Program. The purpose of the VRP is to streamline the cleanup process in a way that will encourage prospective developers, lenders, and purchasers to voluntarily cleanup properties.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/07/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 32

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 12/04/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

#### State and tribal Brownfields sites

**BROWNFIELDS: Brownfields Sites** 

With certain legal exclusions and additions, the term 'brownfield site' means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/07/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 32

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 12/04/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2009 Date Data Arrived at EDR: 11/04/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 01/07/2010

Next Scheduled EDR Contact: 04/12/2010 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137 Source: EPA, Region 9 Telephone: 415-972-3336 Last EDR Contact: 01/07/2010

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 02/08/2010

Next Scheduled EDR Contact: 05/24/2010 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/19/2009 Date Data Arrived at EDR: 12/29/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 43

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 12/14/2009

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/03/2009 Date Data Arrived at EDR: 11/05/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 41

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/20/2009

Next Scheduled EDR Contact: 03/08/2010 Data Release Frequency: Varies

#### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 01/06/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 35

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 01/06/2010

Next Scheduled EDR Contact: 04/12/2010 Data Release Frequency: Annually

SPILLS: Release Notifications

Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

Date of Government Version: 04/04/2008 Date Data Arrived at EDR: 06/18/2008 Date Made Active in Reports: 07/22/2008

Number of Days to Update: 34

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 12/09/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2009 Date Data Arrived at EDR: 12/17/2009 Date Made Active in Reports: 01/11/2010

Number of Days to Update: 25

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 01/15/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/13/2009 Date Data Arrived at EDR: 11/10/2009 Date Made Active in Reports: 12/16/2009

Number of Days to Update: 36

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/09/2010

Next Scheduled EDR Contact: 05/24/2010 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands. Source: USGS

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Telephone: 703-692-8801 Last EDR Contact: 01/19/2010

Next Scheduled EDR Contact: 05/03/2010 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 09/30/2009 Date Made Active in Reports: 12/01/2009

Number of Days to Update: 62

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/18/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/03/2009 Date Data Arrived at EDR: 10/27/2009 Date Made Active in Reports: 11/09/2009

Number of Days to Update: 13

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/05/2010

Next Scheduled EDR Contact: 04/19/2010 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/01/2009 Date Data Arrived at EDR: 12/15/2009 Date Made Active in Reports: 01/19/2010

Number of Days to Update: 35

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/15/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 1

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 12/23/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/17/2009 Date Data Arrived at EDR: 12/08/2009 Date Made Active in Reports: 01/19/2010

Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/08/2009

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 04/09/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 69

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/13/2010

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 01/20/2010

Next Scheduled EDR Contact: 04/12/2010 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 12/14/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 12/14/2009

Next Scheduled EDR Contact: 03/15/2010 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/06/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 02/01/2010

Next Scheduled EDR Contact: 05/17/2010 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/10/2009 Date Data Arrived at EDR: 11/18/2009 Date Made Active in Reports: 01/19/2010

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 12/23/2009

Next Scheduled EDR Contact: 04/12/2010 Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2009 Date Data Arrived at EDR: 10/21/2009 Date Made Active in Reports: 12/01/2009

Number of Days to Update: 41

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/22/2010

Next Scheduled EDR Contact: 05/03/2010 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/24/2009 Date Data Arrived at EDR: 12/31/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 41

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/14/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/12/2010 Date Data Arrived at EDR: 01/13/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 28

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/13/2010

Next Scheduled EDR Contact: 04/26/2010 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/19/2009 Date Data Arrived at EDR: 10/22/2009 Date Made Active in Reports: 12/01/2009

Number of Days to Update: 40

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 12/10/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

#### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 05/22/2009

Number of Days to Update: 92

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/20/2009

Next Scheduled EDR Contact: 03/05/2010 Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 10/19/2009 Date Data Arrived at EDR: 10/23/2009 Date Made Active in Reports: 11/13/2009

Number of Days to Update: 21

Source: Department of Health Telephone: 808-586-4258 Last EDR Contact: 12/07/2009

Next Scheduled EDR Contact: 03/22/2010 Data Release Frequency: Varies

DRYCLEANERS: Permitted Drycleaner Facility Listing
A listing of permitted drycleaner facilities in the state.

Date of Government Version: 12/02/2009 Date Data Arrived at EDR: 12/04/2009 Date Made Active in Reports: 01/08/2010

Number of Days to Update: 35

Source: Department of Health Telephone: 808-586-4200 Last EDR Contact: 01/11/2010

Next Scheduled EDR Contact: 04/26/2010 Data Release Frequency: Varies

AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 08/31/2009 Date Data Arrived at EDR: 09/01/2009 Date Made Active in Reports: 09/18/2009

Number of Days to Update: 17

Source: Department of Health Telephone: 808-586-4200 Last EDR Contact: 01/11/2010

Next Scheduled EDR Contact: 04/26/2010 Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS Telephone: 202-20

Telephone: 202-208-3710 Last EDR Contact: 01/19/2010

Next Scheduled EDR Contact: 05/03/2010 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 11/16/2009 Date Data Arrived at EDR: 11/16/2009 Date Made Active in Reports: 01/19/2010

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/08/2010

Next Scheduled EDR Contact: 05/10/2010 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 11/13/2009

Next Scheduled EDR Contact: 02/15/2010 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/27/2010

Next Scheduled EDR Contact: 05/03/2010 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009 Date Data Arrived at EDR: 12/18/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/15/2009

Next Scheduled EDR Contact: 03/29/2010 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/19/2010

Next Scheduled EDR Contact: 05/03/2010

Data Release Frequency: N/A

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its

fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

#### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

KUHIO PARK TERRACE 1518 LINAPUNI STREET HONOLULU, HI 96819

### **TARGET PROPERTY COORDINATES**

Latitude (North): 21.33850 - 21° 20' 18.6" Longitude (West): 157.8763 - 157° 52' 34.7"

Universal Tranverse Mercator: Zone 4 UTM X (Meters): 616526.9 UTM Y (Meters): 2359888.0

Elevation: 85 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 21157-C8 PEARL HARBOR, HI

Most Recent Revision: Not reported

East Map: 21157-C7 HONOLULU, HI

Most Recent Revision: Not reported

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

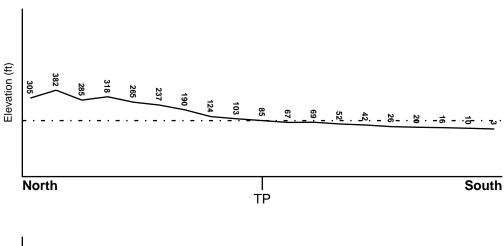
### **TOPOGRAPHIC INFORMATION**

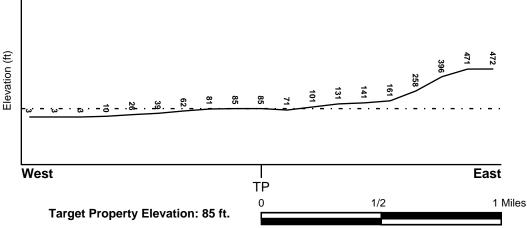
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood

Target Property County HONOLULU, HI Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

15003C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

NOT AVAILABLE

YES - refer to the Overview Map and Detail Map

### **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW**®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: - Category: -

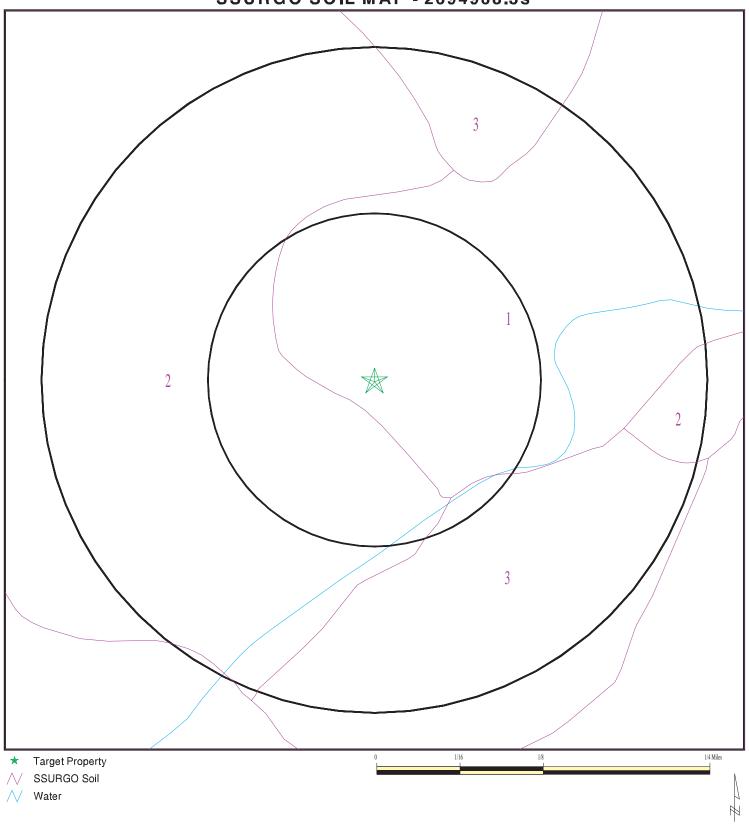
System: -

Series:

Code: N/A (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 2694968.3s**



SITE NAME: Kuhio Park Terrace ADDRESS: 1518 Linapuni Stree 1518 Linapuni Street

LAT/LONG:

Honolulu HI 96819 21.3385 / 157.8763 CLIENT: Eng. Remediation Resources Grp CONTACT: Dylan Galloway

INQUIRY#: 2694968.3s DATE:

February 10, 2010 11:41 am Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2007.

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Kaena

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	9 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.6
2	9 inches	37 inches	stony clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.6
3	37 inches	53 inches	stony clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.6

Soil Map ID: 2

Soil Component Name: Makiki

Soil Surface Texture: stony clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

> 0 inches

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Depth to Watertable Min:

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

#### **Soil Layer Information** Saturated **Boundary** Classification hydraulic conductivity Layer Upper Lower Soil Texture Class **AASHTO Group Unified Soil Soil Reaction** micro m/sec (pH) 1 0 inches 20 inches Silt-Clay **COARSE-GRAINED** Max: 141.14 Max: 6 Min: stony clay loam Materials (more SOILS, Sands, Min: 14.11 5.6 than 35 pct. Sands with fines, passing No. Silty Sand. 200), Clayey Soils. 2 20 inches COARSE-GRAINED Max: 141.14 Max: 6 Min: 29 inches clay loam Silt-Clay Materials (more SOILS, Sands, Min: 14.11 5.6 than 35 pct. Sands with fines, Silty Sand. passing No. 200), Clayey Soils. 3 COARSE-GRAINED Max: 6 Min: 29 inches 59 inches Silt-Clay Max: 141.14 paragravelly clay loam Materials (more SOILS, Sands, Min: 14.11 5.6 than 35 pct. Sands with fines, passing No. Silty Sand. 200), Clayey Soils.

### Soil Map ID: 3

Soil Component Name: Ewa

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Oon Nouvelon
1	0 inches	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4.23	Max: 7.3 Min: 6.6
2	18 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4.23	Max: 7.3 Min: 6.6

## Soil Map ID: 4

Soil Component Name: Honouliuli

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6
2	14 inches	68 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6

# LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION WELL ID FROM TP

No Wells Found

MAP ID

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID WELL ID FROM TP

A5 HI0000331 1/4 - 1/2 Mile NNE

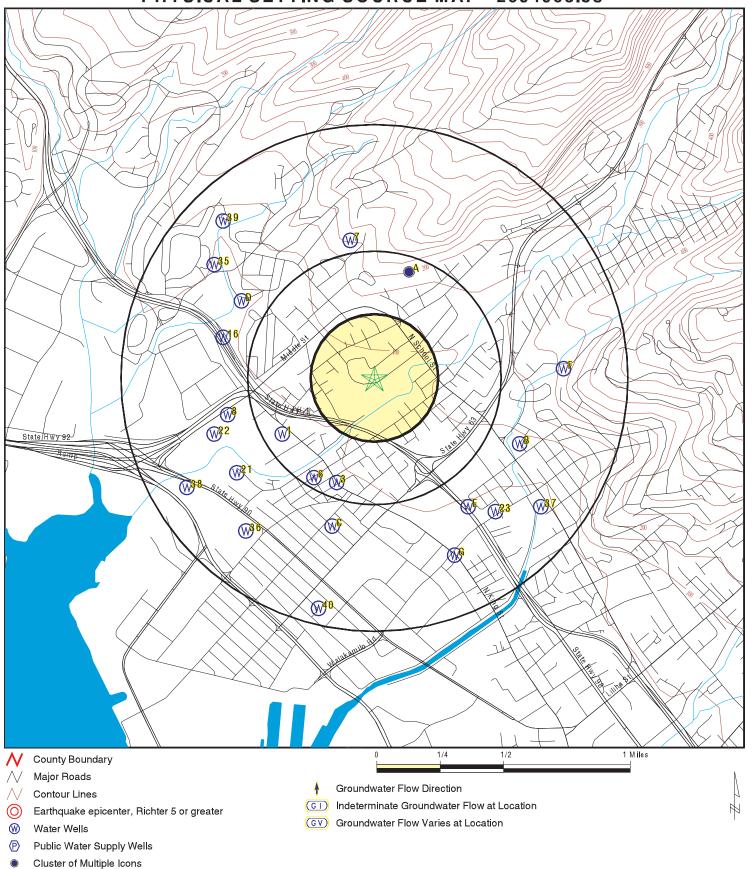
Note: PWS System location is not always the same as well location.

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

# STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	HI40000000002293	1/4 - 1/2 Mile WSW
A2	HI400000002375	1/4 - 1/2 Mile NNE
3	HI400000002250	1/4 - 1/2 Mile SSW
A4	HI400000002376	1/4 - 1/2 Mile NNE
6	HI400000002255	1/4 - 1/2 Mile SSW
7	HI400000002384	1/2 - 1 Mile North
8	HI400000002301	1/2 - 1 Mile WSW
B9	HI400000002275	1/2 - 1 Mile ESE
C10	HI400000002226	1/2 - 1 Mile SSW
D11	HI400000002355	1/2 - 1 Mile WNW
D12	HI400000002356	1/2 - 1 Mile WNW
D13	HI400000002358	1/2 - 1 Mile WNW
D14	HI400000002359	1/2 - 1 Mile WNW
E15	HI400000002239	1/2 - 1 Mile SE
16	HI400000002343	1/2 - 1 Mile WNW
C17	HI400000002214	1/2 - 1 Mile SSW
B18	HI400000002287	1/2 - 1 Mile ESE
E19	HI400000002232	1/2 - 1 Mile SE
B20	HI400000002290	1/2 - 1 Mile ESE
21	HI400000002256	1/2 - 1 Mile SW
22	HI400000002292	1/2 - 1 Mile WSW
23	HI400000002233	1/2 - 1 Mile SE
F24	HI400000002316	1/2 - 1 Mile East
F25	HI400000002330	1/2 - 1 Mile East
G26	HI400000002199	1/2 - 1 Mile SSE
G27	HI400000002200	1/2 - 1 Mile SSE
G28	HI400000002198	1/2 - 1 Mile SSE
G29	HI400000002196	1/2 - 1 Mile SSE
G30	HI400000002197	1/2 - 1 Mile SSE
G31	HI400000002203	1/2 - 1 Mile SSE
G32	HI400000002204	1/2 - 1 Mile SSE
G33	HI400000002201	1/2 - 1 Mile SSE
G34	HI400000002202	1/2 - 1 Mile SSE
35	HI400000002379	1/2 - 1 Mile NW
36	HI400000002213	1/2 - 1 Mile SW
37	HI400000002238	1/2 - 1 Mile SE
38	HI400000002246	1/2 - 1 Mile WSW
39	HI400000002386	1/2 - 1 Mile NW
40	HI400000002168	1/2 - 1 Mile SSW

# PHYSICAL SETTING SOURCE MAP - 2694968.3s



SITE NAME: Kuhio Park Terrace CLIENT: Eng. Remediation Resources Grp CONTACT: Dylan Galloway INQUIRY#: 2694968.3s

LAT/LONG: 21.3385 / 157.8763 DATE: February 10, 2010 11:41 am

Map ID Direction Distance

Elevation Database EDR ID Number 1 WSW **HI WELLS** HI400000002293 1/4 - 1/2 Mile Lower Wid: 3-2053-003 Island: 3 Kalihi Well no: 2053-03 Well name: Not Reported Yr drilled: 1886 Old name: **MCCANDLESS** Driller: Quad map: 13 Longitude2: 1575305 Latitude27: 212018 Longitude8: 1575255 Latitude83: 212007 Lat83d: 21 Lat83m: 20 Lat83s: 07 Lon83d: 157 Lon83m: 52 Lon83s: 55 Lat83dd: 21.33528 -157.88194 Lon83dd: -157.88194 Long83dd: 21.33528 Lat83dd 1: Utm: Gps: 1 Owner user: Yamana U Old number: 141-Well type: Not Reported Casing dia: 6 Well depth: Ground el: 27 645 Solid case: 520 Perf case: Not Reported Use: **ABNSLD** Use year: 55 Init water: 28.5 28.5 Init head: Init chlor: 89 Init cl: 89.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Test temp: 21.5 Temp unit: С Not Reported Not Reported Pump gpm: Draft mgy: Not Reported Head feet: Max chlor: 89 Min chlor: 80 Geology: Not Reported Pump yr: Not Reported Draft yr: Not Reported Maxchl: Not Reported Head yr: Not Reported Maxchl yr: Not Reported Minchl: Not Reported Minchl yr: Not Reported Bot hole: -618 Bot solid: -493 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Not Reported Old aqui: Not Reported Tmk: Aqui code: 30104 Latest hd: Not Reported Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/06/1997 Pir: Not Reported Surveyor: Not Reported T: Pump elev: Not Reported Not Reported HI400000002293 Pump depth: Not Reported Site id:

A2 NNE 1/4 - 1/2 Mile Higher

HI WELLS HI400000002375

Wid: 3-2052-008 Island: Well no: 2052-08 Well name: Kalihi Shaft Old name: Not Reported Yr drilled: 1937 Driller: Not Reported Quad map: 13 1575237 212051 Longitude2: Latitude27: 1575227 212040 Longitude8: Latitude83: Lat83d: 21 Lat83m: 20 Lat83s: 40 Lon83d: 157 27 Lon83m: 52 Lon83s: 21.34444 Lat83dd: -157.87417

Lon83dd: Long83dd: -157.87417 Lat83dd 1: 21.34444 Gps:

Utm: 0 Honolulu BWS Old number: SH6-Owner user: SHF Casing dia: Well type: 99 Ground el: 160 Well depth: 154

Solid case: Not Reported Perf case: Not Reported

MUNCO Use: Use year: 74

Init water: 29.6 Init head: 29.6 Init chlor: 73

Init cl: 73.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Test chlor: Not Reported 4.2

Test temp: Not Reported Temp unit: Not Reported Pump gpm: 15000.00000 Draft mgy: 3766 96 Head feet: 28.1 Max chlor: TKB Min chlor: 92 Geology: 76 Pump yr: 77 Draft yr: Head yr: Not Reported Maxchl: 1/1/1987 87 Minchl: 1/1/1987

Maxchl yr: Minchl yr: 87 Bot hole: 6 Not Reported Not Reported Bot solid: Bot perf:

Spec capac: Not Reported Pump mgd: 21.600 Draft mgd: 10.3 Aquifer: 30104 1-3-021:004 Tmk: Old aqui: Not Reported 30104 Latest hd: 28.10000 Aqui code: Cur head: Not Reported Cur cl: Not Reported Not Reported Wcr: Cur temp: 01/01/1937 Not Reported Not Reported Pir: Surveyor: T: Not Reported Pump elev: Not Reported HI400000002375 Pump depth: Not Reported Site id:

#### SSW **HI WELLS** HI400000002250 1/4 - 1/2 Mile Lower

Wid: 3-2052-005 Island: 2052-05 N King St Well no: Well name: Not Reported Yr drilled: Old name: 1905 **MCCANDLESS** Driller: Quad map: 13 Longitude2: 1575253 Latitude27: 212008 Longitude8: 1575243 Latitude83: 211957 Lat83d: 21 Lat83m: 19 Lat83s: 57 Lon83d: 157 Lon83m: 52 Lon83s: 43 Lat83dd: 21.3325

Lon83dd: -157.87861 Long83dd: -157.87861 Lat83dd 1: 21.3325

 Gps:
 0
 Utm:
 1

 Owner user:
 Winston E C
 Old number:
 138 

 Well type:
 Not Reported
 Casing dia:
 10

 Ground el:
 40
 Well depth:
 500

Solid case: 458 Perf case: Not Reported

Use: ABNSLD Use year: 28

Init water: 30.9 Init head: 30.9

Init chlor: 134 Init cl: 134.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Not Reported Test temp: Temp unit: Pump gpm: Not Reported Draft mgy: Not Reported

Head feet: 30.8 Max chlor: 134

Geology: Not Reported Min chlor: 123 Draft yr: Not Reported Pump yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Minchl: Not Reported 0

Minchl yr: 0 Bot hole: -460

Bot solid: -418 Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30103 Tmk: Not Reported Old aqui: Not Reported Aqui code: 30103 Latest hd: 30.80000 Cur head: Not Reported Not Reported Cur cl: Cur temp: Not Reported Wcr: 01/01/1905 Pir: Not Reported Surveyor: Not Reported

T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002250

A4 NNE 1/4 - 1/2 Mile Higher

Wid: 3-2052-015 Island: 3

Well no: 2052-15 Well name: Kalihi Sh Deep Mon

1999 Old name: Not Reported Yr drilled: WAT RES INTL Quad map: Driller: 13 212052 Longitude2: 1575238 Latitude27: Longitude8: 1575228 Latitude83: 212041 Lat83d: 21 Lat83m: 20 Lat83s: 41 Lon83d: 157 Lon83m: 52 Lon83s: 28

Lat83dd: 21.34472 Lon83dd: -157.87444 Long83dd: -157.87444 Lat83dd 1: 21.34472

Gps: 0 Utm: 1

Owner user:Honolulu BWSOld number:Not ReportedWell type:ROTCasing dia:8Ground el:154Well depth:2035

Solid case: Perf case: Not Reported

Use: OBSDM Use year: 99

Init water: Not Reported

**HI WELLS** 

HI400000002376

Init head:

Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Test temp: Temp unit: Not Reported Pump gpm: Not Reported Not Reported Draft mgy: Head feet: Not Reported Max chlor: Not Reported

Min chlor: Not Reported Geology: TKB

Not Reported Not Reported Pump yr: Draft yr: Not Reported Not Reported Head yr: Maxchl: Maxchl yr: Not Reported Minchl: Not Reported

Minchl yr: Not Reported Bot hole: -1881

Bot solid: Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported Draft mgd: Not Reported Aquifer: 1-3-021:004 Old aqui: Not Reported Tmk: Aqui code: 30103 Latest hd: 18.26000 Cur head: Not Reported Cur cl: Not Reported Not Reported Cur temp: Wcr: 01/06/1997 Pir: Not Reported Surveyor: HONOLULU BWS

Not Reported T: Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002376

NNE **FRDS PWS** HI0000331 1/4 - 1/2 Mile Higher

HI0000331 Pwsid: 09 Epa region:

State: Not Reported ΗΙ County:

Pws name: HONOLULU-WINDWARD-PEARL H

Pwssvcconn: Population Served: 606905 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Status: Active Owner type: Local\_Govt

Facility id: 701

PUNALUU II PUMP 2 Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

**BOARD OF WATER SUPPLY** 808-748-5080 Contact address1: Contact phone:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

**HONOLULU** Contact city: Contact zip: 96843

Pwsid: HI0000331 09 Epa region:

County: State: Not Reported НΙ

HONOLULU-WINDWARD-PEARL H Pws name:

606905 Population Served: Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Active Status: Owner type: Local\_Govt

Facility id: 702

**PUNALUU II PUMP 3** Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

disinfection Treatment objective:

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 703

Facility name: PUNALUU II PUMP 4
Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 704

Facility name: PUNALUU II PUMP 5

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region:

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 705

Facility name: PUNALUU II PUMP 6

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 706
Facility name: PUNALUU III PUMP 1

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 707

Facility name: PUNALUU III PUMP 2

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 708

Facility name: PUNANANI WELL PUMP 2

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 709

Facility name: PUNANANI WELL PUMP 3
Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 710

Facility name: PUNANANI WELL PUMP 4

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 711

Facility name: PUNANANI WELL PUMP 5

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 712
Facility name: PUNANANI WELL PUMP 6

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 713

Facility name: WAIAU WELL PUMP 2

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 714

Facility name: WAIAU WELL PUMP 3

Facility type: Well Treatment process: gaseous chlorination, post

**BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: 808-748-5080 Contact address1: **BOARD OF WATER SUPPLY** 

630 SOUTH BERETANIA STREET, RM 308 Contact address2:

HONOLULU Contact city: Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

Not Reported State: ΗΙ County:

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Active Owner type: Local\_Govt Status:

Facility id: 715

WILDER WELL 2 Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection **BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: 808-748-5080 Contact address1: **BOARD OF WATER SUPPLY** 

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region:

State: County: Not Reported

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 716

WILDER WELL 3 Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

**BOARD OF WATER SUPPLY** Contact phone: 808-748-5080 Contact address1:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU

Contact zip: 96843

Pwsid: HI0000331 Epa region:

Not Reported State: ΗΙ County:

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 104864 Pwssvcconn:

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 717

WILDER WELL 4 Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

disinfection Treatment objective:

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 865

Facility name: HONOLULU WINDWARD PEARL DIST

Facility type: Distribution\_system\_zone Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 894
Facility name: MANOA II

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1002

Facility name: BERETANIA STAT 1

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1003

Facility name: HALAWA WELL 1

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1004

Facility name: HALAWA WELL 2

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1006

Facility name: HALAWA WELL 3

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1007
Facility name: KAHALUU TUNNEL

Facility type: Infiltration\_gallery Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1008

Facility name: KAHANA WELL 2

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1009

Facility name: KALIHI AERATOR WELL

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1010
Facility name: LULUKU WELL

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1011

Facility name: LULUKU TUNNEL

Facility type: Infiltration\_gallery Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1012

Facility name: MAKIKI SPRING A

Facility type: Spring Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1013

Facility name: MAKIKI SPRING B

Facility type: Spring Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1014

Facility name: MANANA WELL

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1015

Facility name: MOANALUA WELL 1

Facility type: Well Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1018

Facility name: WAIHEE TUNNEL

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1185

Facility name: PUNALUU II P4

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1186

Facility name: BERETANIA STAT 4

Facility type: Well Treatment process: gaseous chlorination, post

**BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: 808-748-5080 Contact address1: **BOARD OF WATER SUPPLY** 

630 SOUTH BERETANIA STREET, RM 308 Contact address2:

HONOLULU Contact city: Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

Not Reported State: ΗΙ County:

HONOLULU-WINDWARD-PEARL H Pws name:

Well

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Facility type:

Active Owner type: Local\_Govt Status:

Facility id: 1187

**BERETANIA STAT 6** Facility name:

Treatment objective: disinfection **BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: Contact address1: **BOARD OF WATER SUPPLY** 808-748-5080

Treatment process:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region:

State: County: Not Reported

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1188

**BERETANIA STAT 5** Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

**BOARD OF WATER SUPPLY** Contact phone: 808-748-5080 Contact address1:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU

Contact zip: 96843

Pwsid: HI0000331 Epa region:

Not Reported State: ΗΙ County:

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 104864 Pwssvcconn:

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1189

**BERETANIA STAT 9** Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

disinfection Treatment objective:

gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1190

Facility name: BERETANIA STAT 8

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1191

Facility name: BERETANIA STAT 7

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU

Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1192

Facility name: BERETANIA STAT 2

Facility type: Well Treatment process: gaseous chlorination, post

**BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: 808-748-5080 Contact address1: **BOARD OF WATER SUPPLY** 

630 SOUTH BERETANIA STREET, RM 308 Contact address2:

HONOLULU Contact city: Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

Not Reported State: ΗΙ County:

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Active Owner type: Local\_Govt Status:

1193 Facility id:

**BERETANIA STAT 3** Facility name:

Facility type: Well Treatment process: gaseous chlorination, post

Treatment objective: disinfection **BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: Contact address1: **BOARD OF WATER SUPPLY** 808-748-5080

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region:

State: County: Not Reported

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1194

BERETANIA TP 1 Facility name:

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

**BOARD OF WATER SUPPLY** Contact phone: 808-748-5080 Contact address1:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU

Contact zip: 96843

Pwsid: HI0000331 Epa region:

Not Reported State: ΗΙ County:

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 104864 Pwssvcconn:

Groundwater\_under\_infl\_of\_surface\_water PWS Source:

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1195

**BERETANIA TP 4** Facility name:

Facility type: Treatment plant Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Owner type: Local\_Govt

Facility id: 1196
Facility name: BERETANIA TP 5

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1197

Facility name: BERETANIA TP 6

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection
Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

State: HI County: Not Reported

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: CWS

Status: Active Owner type: Local\_Govt

Facility id: 1198

Facility name: BERETANIA TP 7

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

**BWS HONOLULU** Contact name: Original name: **BWS HONOLULU** 

Contact phone: 808-748-5080 Contact address1: **BOARD OF WATER SUPPLY** 

630 SOUTH BERETANIA STREET, RM 308 Contact address2:

HONOLULU Contact city: Contact zip: 96843

Pwsid: HI0000331 Epa region: 09

Not Reported State: ΗΙ County:

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

Pws type: **CWS** 

Active Owner type: Local\_Govt Status:

1199 Facility id: Facility name: **BERETANIA TP 8** 

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

Contact phone: Contact address1: **BOARD OF WATER SUPPLY** 808-748-5080

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU Contact zip: 96843

Pwsid: HI0000331 Epa region:

State: County: Not Reported

HONOLULU-WINDWARD-PEARL H Pws name:

Population Served: 606905 Pwssvcconn: 104864

PWS Source: Groundwater\_under\_infl\_of\_surface\_water

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1200

**BERETANIA TP 9** Facility name:

Facility type: Treatment\_plant Treatment process: gaseous chlorination, post

Treatment objective: disinfection Contact name: **BWS HONOLULU** Original name: **BWS HONOLULU** 

**BOARD OF WATER SUPPLY** Contact phone: 808-748-5080 Contact address1:

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU

Contact zip: 96843

Pwsid: HI0000331 Epa region:

Not Reported State: ΗΙ County:

Pws name: HONOLULU-WINDWARD-PEARL H

Population Served: 606905 104864 Pwssvcconn:

Groundwater\_under\_infl\_of\_surface\_water PWS Source:

**CWS** Pws type:

Status: Active Owner type: Local\_Govt

Facility id: 1201

Facility name: BERETANIA TP 2

Facility type: Treatment plant Treatment process: gaseous chlorination, post

Contact name: BWS HONOLULU
Original name: BWS HONOLULU

Contact phone: 808-748-5080 Contact address1: BOARD OF WATER SUPPLY

Contact address2: 630 SOUTH BERETANIA STREET, RM 308

Contact city: HONOLULU
Contact zip: 96843

PWS ID: HI0000331

Date Initiated: Not Reported Date Deactivated: Not Reported

PWS Name: HONOLULU-WINDWARD-PEARL HARBOR

630 S BERETANIA STREET 630 SOUTH BERETANIA HONOLULU, OANU, HI 96843

Addressee / Facility: System Owner/Responsible Party

MR. KAZU HAYASHIDA BOARD OF WATER SUPPLY 630 SOUTH BERETANIA STREET

HONOLULU, HI 96843

Facility Latitude: 21 12 17.0000 Facility Longitude: 157 48 58.0000 Facility Latitude: 21 17 7.0000 Facility Longitude: 157 46 17.0000 Facility Latitude: 21 17 13.0000 Facility Longitude: 157 46 53.0000 Facility Latitude: 21 17 27.0000 Facility Longitude: 157 48 58.0000 Facility Latitude: Facility Longitude: 21 17 53.0000 157 45 19.0000 Facility Latitude: 21 18 13.0000 Facility Longitude: 157 49 47.0000 Facility Latitude: 21 18 31.0000 Facility Longitude: 157 51 43.0000 Facility Longitude: Facility Latitude: 21 19 36.0000 157 46 27.0000 Facility Latitude: 21 20 2.0000 Facility Longitude: 157 52 8.0000 Facility Latitude: 21 21 17.0000 Facility Longitude: 157 48 40.0000 Facility Longitude: Facility Latitude: 21 22 35.0000 157 49 55.0000 Facility Latitude: 21 22 57.0000 Facility Longitude: 157 55 14.0000 Facility Latitude: 21 23 38.0000 Facility Longitude: 157 56 49.0000 Facility Latitude: 21 24 7.0000 Facility Longitude: 157 58 25.0000 Facility Latitude: 21 24 10.0000 Facility Longitude: 157 56 45.0000 Facility Latitude: 21 24 12.0000 Facility Longitude: 157 56 47.0000 Facility Latitude: 21 26 16.0000 Facility Longitude: 157 51 23.0000 Facility Latitude: 21 34 50.0000 Facility Longitude: 157 53 12.0000 Facility Latitude: Facility Longitude: 157 53 49.0000 21 35 17.0000 Facility Latitude: 21 17 19.0000 Facility Longitude: 157 47 36.0000 Facility Latitude: 21 18 37.0000 Facility Longitude: 157 47 29.0000 Facility Latitude: 21 20 14.0000 Facility Longitude: 157 45 1.0000 Facility Latitude: Facility Longitude: 21 21 27.0000 157 49 5.0000 Facility Latitude: 21 22 56.0000 Facility Longitude: 157 49 35.0000 Facility Latitude: Facility Longitude: 21 23 13.0000 127 55 35.0000 Facility Latitude: 21 23 27.0000 Facility Longitude: 157 56 47.0000 Facility Latitude: 21 23 37.0000 Facility Longitude: 157 57 25.0000 157 57 27.0000 Facility Latitude: 21 23 37.0000 Facility Longitude: Facility Latitude: 21 24 14.0000 Facility Longitude: 158 57 25.0000 Facility Latitude: 21 34 41.0000 Facility Longitude: 157 49 17.0000 Facility Latitude: 21 35 17.0000 Facility Longitude: 157 53 46.0000 Facility Latitude: 21 18 33.0000 Facility Longitude: 157 51 23.0000 Facility Longitude: Facility Latitude: 21 19 59.0000 157 47 33.0000 Facility Latitude: 21 19 59.0000 Facility Longitude: 157 48 18.0000 Facility Latitude: 21 20 12.0000 Facility Longitude: 157 44 55.0000 Facility Latitude: 21 24 13.0000 Facility Longitude: 157 58 12.0000

Facility Latitudes	04.07.0.0000	Casilia da santuala.	457.54.44.0000
Facility Latitude:	21 27 2.0000	Facility Longitude:	157 51 41.0000
Facility Latitude:	21 27 3.0000	Facility Longitude:	157 51 38.0000
Facility Latitude:	21 36 39.0000	Facility Longitude:	157 52 12.0000
Facility Latitude:	21 16 13.0000	Facility Longitude:	157 49 47.0000
Facility Latitude:	21 19 53.0000	Facility Longitude:	157 52 27.0000
Facility Latitude:	21 20 7.0000	Facility Longitude:	157 44 44.0000
Facility Latitude:	21 21 19.0000	Facility Longitude:	157 53 54.0000
Facility Latitude:	21 21 20.0000	Facility Longitude:	157 53 54.0000
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Facility Latitude:	21 23 39.0000	Facility Longitude:	157 55 53.0000
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Facility Latitude:	21 25 53.0000	Facility Longitude:	157 57 31.0000
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Facility Latitude:	21 34 41.0000	Facility Longitude:	157 53 44.0000
Facility Latitude:	21 19 58.0000	Facility Longitude:	157 43 58.0000
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Facility Latitude:	21 22 14.0000	Facility Longitude:	157 50 11.0000
Facility Latitude:	21 22 58.0000	Facility Longitude:	157 49 35.0000
Facility Latitude:	21 23 39.0000	Facility Longitude:	157 55 55.0000
Facility Latitude:	21 23 42.0000	Facility Longitude:	157 56 47.0000
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Facility Latitude:	21 24 11.0000	Facility Longitude:	157 56 46.0000
Facility Latitude:	21 24 14.0000	Facility Longitude:	157 57 6.0000
Facility Latitude:	21 23 20.0000	Facility Longitude:	157 56 3.0000
Facility Latitude:	21 23 22.0000	Facility Longitude:	157 55 3.0000
Facility Latitude:	21 23 27.0000	Facility Longitude:	157 56 43.0000
Facility Latitude:	21 23 39.0000	Facility Longitude:	157 55 54.0000
Facility Latitude:	21 23 48.0000	Facility Longitude:	157 56 22.0000
Facility Latitude:	21 23 49.0000	Facility Longitude:	157 56 22.0000
Facility Latitude:	21 24 13.0000	Facility Longitude:	158 57 24.0000
Facility Latitude:	21 24 39.0000	Facility Longitude:	157 57 59.0000
Facility Latitude:	21 26 16.0000	Facility Longitude:	157 51 32.0000
Facility Latitude:	21 33 15.0000	Facility Longitude:	157 53 11.0000
Facility Latitude:	21 34 39.0000	Facility Longitude:	157 53 17.0000
		racility Longitude.	137 33 47.0000
City Served:	PEARL CITY		
City Served:	KANEOHE		
City Served:	AIEA		
City Served:	KAILUA		
City Served:	HONO-WINDW-PEAR		
City Served:	HONOLULU		
Treatment Class:	Mixed (treated and untreated)	Population:	645741

Violations information not reported.

Мар	ID
Dire	ction
Dista	ance
Flov	ation

Direction				
Distance			Databasa	EDD ID Number
Elevation			Database	EDR ID Number
6			HIMELLO	111400000000000
SSW 1/4 - 1/2 Mile			HI WELLS	HI400000002255
Lower				
			_	
Wid:	3-2052-002	Island:	3	
Well no:	2052-02	Well name:	Kalihi	
Old name:	Not Reported	Yr drilled:	1888	
Driller:	Not Reported	Quad map:	13	
Longitude2:	1575258	Latitude27:	212009	
Longitude8:	1575248	Latitude83:	211958	
Lat83d:	21	Lat83m:	19	
Lat83s:	58	Lon83d:	157	
Lon83m:	52	Lon83s:	48	
Lat83dd:	21.33278			
Lon83dd:	-157.88			
Long83dd:	-157.88			
Lat83dd 1:	21.33278			
Gps:	0	Utm:	1	
Owner user:	C&C Honolulu	Old number:	139-	
Well type:	Not Reported	Casing dia:	8	
Ground el:	41	Well depth:	600	
Solid case:	Not Reported	Perf case:	Not Reported	
Use:	ABNSLD	Use year:	27	
Init water:	32.2	•		
Init head:	32.2			
Init chlor:	81	Init cl:	81.00000	
Test date:	Not Reported	Test gpm:	Not Reported	
Test ddown:	Not Reported	Test chlor:	Not Reported	
Test temp:	Not Reported	Temp unit:	Not Reported	
Pump gpm:	Not Reported	Draft mgy:	Not Reported	
Head feet:	32.0	Max chlor:	Not Reported	
Min chlor:	Not Reported	Geology:	Not Reported	
Pump yr:	Not Reported	Draft yr:	Not Reported	
Head yr:	Not Reported	Maxchl:	Not Reported	
Maxchl yr:	0	Minchl:	Not Reported	
Minchl yr:	0	Bot hole:	-559	
Bot solid:	Not Reported	Bot perf:	Not Reported	
Spec capac:	Not Reported	Pump mgd:	Not Reported	
Draft mgd:	Not Reported	Aquifer:	30103	
Tmk:	Not Reported	Old agui:	Not Reported	
Aqui code:	30103	Latest hd:	32.00000	
Cur head:	Not Reported	Cur cl:	Not Reported	
	•	Wer:	•	
Cur temp: Pir:	Not Reported		05/20/1997 Not Paparted	
Pir: T:	Not Reported	Surveyor:	Not Reported	
	Not Reported	Pump elev:	Not Reported	
Pump depth:	Not Reported	Site id:	HI400000002255	

7 North 1/2 - 1 Mile Higher

HI WELLS HI400000002384

Wid:	3-2052-009	Island:	3
Well no:	2052-09	Well name:	Ft Shafter
Old name:	Not Reported	Yr drilled:	1942
Driller:	MULLIN	Quad map:	13
Longitude2:	1575250	Latitude27:	212058
Longitude8:	1575240	Latitude83:	212047
Lat83d:	21	Lat83m:	20
Lat83s:	47	Lon83d:	157
Lon83m:	52	Lon83s:	40
Lat83dd:	21.34639	25.1666.	.0
Lon83dd:	-157.87778		
Long83dd:	-157.87778		
Lat83dd 1:	21.34639		
Gps:	0	Utm:	1
Owner user:	U S Army	Old number:	146-1
Well type:	Not Reported	Casing dia:	12
Ground el:	202	Well depth:	235
Solid case:	210	Perf case:	Not Reported
Use:	UNU	Use year:	81
Init water:	25.0	coo your.	01
Init head:	25		
Init chlor:	Not Reported	Init cl:	Not Reported
Test date:	Not Reported	Test gpm:	Not Reported
Test ddown:	Not Reported	Test chlor:	Not Reported
Test temp:	Not Reported	Temp unit:	Not Reported
Pump gpm:	Not Reported	Draft mgy:	Not Reported
Head feet:	Not Reported	Max chlor:	100
Min chlor:	Not Reported	Geology:	TKB
Pump yr:	Not Reported	Draft yr:	Not Reported
Head yr:	Not Reported	Maxchl:	Not Reported
Maxchl yr:	0	Minchl:	Not Reported
Minchl yr:	0	Bot hole:	-33
Bot solid:	-8	Bot perf:	Not Reported
Spec capac:	Not Reported	Pump mgd:	Not Reported
Draft mgd:	Not Reported	Aquifer:	30104
Tmk:	1-1-008:005	Old aqui:	Not Reported
Aqui code:	30104	Latest hd:	Not Reported
Cur head:	Not Reported	Cur cl:	Not Reported
Cur temp:	Not Reported	Wcr:	01/01/1942
Pir:	Not Reported	Surveyor:	Not Reported
T:	Not Reported	Pump elev:	Not Reported
Pump depth:	Not Reported	Site id:	HI4000000002384

8 WSW 1/2 - 1 Mile	HI WELLS	HI400000002301
Lower		

Wid:	3-2053-005	Island:	3
Well no:	2053-05	Well name:	Kalihi
Old name:	Not Reported	Yr drilled:	1894
Driller:	MCCANDLESS	Quad map:	13
Longitude2:	1575317	Latitude27:	212022
Longitude8:	1575307	Latitude83:	212011
Lat83d:	21	Lat83m:	20
Lat83s:	11	Lon83d:	157
Lon83m:	53	Lon83s:	07
Lat83dd:	21.33639		

 Lon83dd:
 -157.88528

 Long83dd:
 -157.88528

 Lat83dd 1:
 21.33639

 Gps:
 0
 Utm:
 1

 Owner user:
 Ameron Hc&D
 Old number:
 144 

 Well type:
 Not Reported
 Casing dia:
 6

 Ground el:
 20
 Well depth:
 471

Solid case: 347 Perf case: Not Reported

Use: ABNSLD Use year: 88

Init water: 30.0 Init head: 30

Init chlor: 96 Init cl: 96.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Not Reported Test temp: Temp unit: Pump gpm: Not Reported Draft mgy: Not Reported

Head feet: 19.5 Max chlor: 260
Min chlor: 214 Geology: TKB
Pump yr: Not Reported Draft yr: 80

 Head yr:
 80
 Maxchl:
 Not Reported

 Maxchl yr:
 0
 Minchl:
 1/1/1980

 Minchl yr:
 0
 Bot hole:
 -451

Bot solid: -327 Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Tmk: 1-2-016:006 Old aqui: Not Reported Aqui code: 30104 Latest hd: 19.50000 Cur head: Not Reported Not Reported Cur cl: Wcr: Cur temp: Not Reported 01/06/1997 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002301

Lon83d:

Lon83s:

1/2 - 1 Mile Lower

> Wid: 3-2052-010 Island: Well no: 2052-10 Well name: Kapalama 1959 Old name: Not Reported Yr drilled: SAMSON-SMOCK Quad map: Driller: 13 1575215 212015 Longitude2: Latitude27: Longitude8: 1575205 Latitude83: 212004 Lat83m: 20

Lat83d: 21 Lat83s: 04 Lon83m: 52 Lat83dd: 21.33444 Lon83dd: -157.86806

Lon83dd: -157.86806 Long83dd: -157.86806 Lat83dd 1: 21.33444

 Gps:
 0
 Utm:
 1

 Owner user:
 Honolulu BWS
 Old number:
 T69 

 Well type:
 Not Reported
 Casing dia:
 8

 Ground el:
 80
 Well depth:
 283

Solid case: 233 Perf case: Not Reported

Use: OBSWL Use year: 74

Init water: 24.2

157

05

Init head:	24.2		
Init chlor:	Not Reported	Init cl:	Not Reported
Test date:	Not Reported	Test gpm:	Not Reported
Test ddown:	Not Reported	Test chlor:	Not Reported
Test temp:	Not Reported	Temp unit:	Not Reported
Pump gpm:	Not Reported	Draft mgy:	Not Reported
Head feet:	26.1	Max chlor:	Not Reported
Min chlor:	Not Reported	Geology:	TKB
Pump yr:	Not Reported	Draft yr:	Not Reported
Head yr:	Not Reported	Maxchl:	Not Reported
Maxchl yr:	0	Minchl:	Not Reported
Minchl yr:	0	Bot hole:	-203
Bot solid:	-153	Bot perf:	Not Reported
Spec capac:	Not Reported	Pump mgd:	Not Reported
Draft mgd:	Not Reported	Aquifer:	30103
Tmk:	1-6-026:022	Old aqui:	Not Reported
Aqui code:	30103	Latest hd:	26.10000
Cur head:	Not Reported	Cur cl:	Not Reported
Cur temp:	Not Reported	Wcr:	01/01/1959
Pir:	Not Reported	Surveyor:	Not Reported
T:	Not Reported	Pump elev:	Not Reported
Pump depth:	Not Reported	Site id:	HI4000000002275

C10
SSW
HI WELLS HI400000002226
1/2 - 1 Mile

Wid:	3-2052-001	Island:	3
Well no:	2052-01	Well name:	Kalihi
Old name:	Not Reported	Yr drilled:	1883
Driller:	Not Reported	Quad map:	13
Longitude2:	1575256	Latitude27:	212000
Longitude8:	1575246	Latitude83:	211949
Lat83d:	21	Lat83m:	19
Lat83s:	49	Lon83d:	157
Lon83m:	52	Lon83s:	46

 Lon83m:
 52

 Lat83dd:
 21.33028

 Lon83dd:
 -157.87944

 Long83dd:
 -157.87944

 Lat83dd 1:
 21.33028

Lower

 Gps:
 0
 Utm:
 1

 Owner user:
 Hills W J
 Old number:
 136 

 Well type:
 Not Reported
 Casing dia:
 7

 Ground el:
 29
 Well depth:
 503

Solid case: 348 Perf case: Not Reported

Use: ABNSLD Use year: 32

Init water: 29.4 Init head: 29.4

Not Reported Init cl: Not Reported Init chlor: Not Reported Test gpm: Not Reported Test date: Not Reported Test chlor: Not Reported Test ddown: Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Max chlor: 27.3 Not Reported

Min chlor: Not Reported Geology: TKB

Pump yr:Not ReportedDraft yr:Not ReportedHead yr:Not ReportedMaxchl:Not Reported

Minchl: Maxchl yr: 0 Not Reported Minchl yr: 0 Bot hole: -474 Bot solid: -319 Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30103 Not Reported Old aqui: Not Reported Tmk: Aqui code: 30103 Latest hd: 27.30000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 05/20/1997 Not Reported Not Reported Pir: Surveyor: T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002226

D11 WNW 1/2 - 1 Mile Lower

> Wid: 3-2053-004 Island: Well no: 2053-04 Well name: Ft Shafter Old name: Not Reported Yr drilled: 1889 Driller: Not Reported Quad map: 13 1575314 212045 Longitude2: Latitude27: Longitude8: 1575304 Latitude83: 212034 Lat83d: 21 Lat83m: 20 Lat83s: 34 Lon83d: 157 04 Lon83m: 53 Lon83s:

Lat83dd: 21.34278 -157.88444 Lon83dd: Long83dd: -157.88444 Lat83dd 1: 21.34278 Gps: 0

Utm: Old number: Owner user: U S Army 145-Well type: Not Reported Casing dia: 6 Ground el: 20 Well depth: 212

Not Reported Solid case: 167 Perf case: 28

**ABNSLD** Use: Use year: Init water: 26.4

Init head: 26.4 Init chlor: 68

68.00000 Test date: Not Reported Not Reported Test gpm: Not Reported Test ddown: Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Max chlor: Not Reported

Init cl:

Min chlor: Not Reported Geology: **TKB** Not Reported Pump yr: Draft yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported

Minchl yr: Not Reported Bot hole: -192 Bot solid: -147 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported 30104 Draft mgd: Aquifer: Tmk: Not Reported Old aqui: Not Reported Aqui code: 30104 Latest hd: 29.50000 Cur cl: Not Reported Cur head: Not Reported Cur temp: Not Reported Wcr: 01/06/1997 Pir: Not Reported Surveyor: Not Reported

**HI WELLS** 

Pump elev: Not Reported Not Reported Pump depth: Not Reported Site id: HI400000002355

D12 WNW 1/2 - 1 Mile Lower

**HI WELLS** HI400000002356

Wid:	3-2053-013	Island:	3
Well no:	2053-13	Well name:	Fort Shafter
Old name:	Not Reported	Yr drilled:	1995
Driller:	ROSCOE MOSS	Quad map:	13
Longitude2:	1575314	Latitude27:	212046
Longitude8:	1575304	Latitude83:	212034
Lat83d:	21	Lat83m:	20
Lat83s:	34	Lon83d:	157
Lon83m:	53	Lon83s:	04
Lat83dd:	21.34278		

Lon83dd: -157.88444 Long83dd: -157.88444 Lat83dd 1: 21.34278

Gps: Utm: 0 U S Army Old number: 146-3 Owner user: Casing dia: Well type: PER 15 Ground el: 20 Well depth: 290

Solid case: 180 Perf case: Not Reported

MIL 97 Use: Use year:

Init water: Not Reported

Init head: 19.8

Init chlor: Not Reported Init cl: 0.00000 Test date: 5/2/1995 Test gpm: 1100 2.3 Test chlor: Test ddown: 114 Test temp: 20.6 Temp unit: С Pump gpm: 1100.00000 Draft mgy: Not Reported

Head feet: Not Reported Max chlor: Not Reported Not Reported Geology: Not Reported Min chlor: Not Reported Pump yr: 97 Draft yr: Maxchl: Head yr: Not Reported Not Reported Maxchl yr: 0 Minchl: Not Reported

Minchl yr: 0 Bot hole: -270 Bot solid: -160 Bot perf: Not Reported Spec capac: 478 Pump mgd: 1.584

Draft mgd: Not Reported Not Reported Aquifer: Tmk: 1-1-008:014 Old aqui: Not Reported Aqui code: 30104 Latest hd: Not Reported Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 05/19/1995 Pir: Not Reported Surveyor: Not Reported

T: Not Reported Pump elev: -41

Pump depth: HI400000002356 61 Site id:

D13 WNW 1/2 - 1 Mile Lower

HI400000002358 **HI WELLS** 

Wid: 3-2053-010 Island: Well no: 2053-10 Well name: Ft Shafter Mon. Old name: Not Reported Yr drilled: 1914 Driller: **MCCANDLESS** Quad map: 13 212046 Longitude2: 1575314 Latitude27: 1575304 212035 Longitude8: Latitude83: Lat83d: 21 Lat83m: 20 Lat83s: 35 Lon83d: 157 Lon83m: 53 Lon83s: 04 21.34306 Lat83dd: -157.88444 Lon83dd: Long83dd: -157.88444 Lat83dd 1: 21.34306 Gps: Utm: 0 U S Army Old number: 146-1 Owner user: Not Reported Casing dia: Well type: 6 Ground el: 20 Well depth: 279 Solid case: 168 Perf case: Not Reported **OBS** Use: Use year: 95 Init water: 28.0 Init head: 28 Init chlor: 82 Init cl: 82.00000 Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Test temp: Temp unit: 21.6 Pump gpm: Not Reported Draft mgy: 448 Head feet: 23.8 Max chlor: 167 Min chlor: 69 TKB Geology: Pump yr: Not Reported Draft yr: Not Reported Head yr: Not Reported Not Reported Maxchl: Maxchl yr: Minchl: Not Reported Minchl yr: 0 Bot hole: -259 Not Reported Bot solid: -148 Bot perf: Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: 1.2 Aquifer: 30104 1-1-008:014 Tmk: Old aqui: Not Reported 30104 Latest hd: 23.80000 Aqui code: Cur cl: Not Reported Cur head: Not Reported Wcr: Cur temp: Not Reported 01/01/1914 Not Reported Pir: Surveyor: Not Reported T: Not Reported Pump elev: Not Reported

Site id:

D14 WNW 1/2 - 1 Mile Lower

Pump depth:

Wid: 3-2053-011 Island: Ft Shafter Well no: 2053-11 Well name: Not Reported Old name: Yr drilled: 1960 Driller: **NAT WHITON** Quad map: 13 Longitude2: 1575314 Latitude27: 212046 Longitude8: 1575304 Latitude83: 212035 Lat83d: 21 Lat83m: 20 Lat83s: 35 Lon83d: 157 Lon83m: 53 Lon83s: 04 Lat83dd: 21.34306

Not Reported

HI400000002358

**HI WELLS** 

Lon83dd: -157.88444 Long83dd: -157.88444 Lat83dd 1: 21.34306

Gps:1Utm:0Owner user:U S ArmyOld number:146-2Well type:Not ReportedCasing dia:12Ground el:21Well depth:330

Solid case: 175 Perf case: Not Reported Use: MIL Use year: Not Reported

Init water: Not Reported

Init head: 0

Init chlor: Not Reported Init cl: Not Reported

 Test date:
 #######
 Test gpm:
 800

 Test ddown:
 3.6
 Test chlor:
 64

 Test temp:
 20.8
 Temp unit:
 C

 Pump gpm:
 1100.00000
 Draft mgy:
 Not Reported

 Head feet:
 23.8
 Max chlor:
 110

 Min chlor:
 64
 Geology:
 TKB

Pump yr:06Draft yr:Not ReportedHead yr:Not ReportedMaxchl:Not ReportedMaxchl yr:0Minchl:Not Reported

Maxchl yr:0Minchl:Not ReportedMinchl yr:0Bot hole:-309Bot solid:-154Bot perf:Not Reported

222 1.584 Spec capac: Pump mgd: Draft mgd: Not Reported Aquifer: 30104 Tmk: 1-1-008:014 Old aqui: Not Reported Aqui code: 30104 Latest hd: 23.80000 Cur head: Not Reported Not Reported Cur cl: Cur temp: Not Reported Wcr: 11/15/1960

Cur temp: Not Reported Wcr: 11/15/1960

Pir: Not Reported Surveyor: Not Reported

T: Not Reported Pump elev: -5

Pump depth: 26 Site id: HI4000000002359

# E15 SE HI WELLS HI400000002239

Lon83s:

1/2 - 1 Mile Lower

Wid: 3-2052-006 Island: 3

Well no: 2052-06 Well name: Kapalama Ave Old name: Not Reported Yr drilled: 1910 **MCCANDLESS** Quad map: Driller: 13 212004 Longitude2: 1575224 Latitude27: Longitude8: 1575214 Latitude83: 211953 Lat83d: 21 Lat83m: 19 Lat83s: 53 Lon83d: 157

 Lon83m:
 52

 Lat83dd:
 21.33139

 Lon83dd:
 -157.87056

 Long83dd:
 -157.87056

 Lat83dd 1:
 21.33139

Gps: 0 Utm: 1 State Of Hawaii Old number: 132-Owner user: Well type: Not Reported Casing dia: 12 Well depth: 351 Ground el: 43

Solid case: 232 Perf case: Not Reported

Use: ABNSLD Use year: 58
Init water: 28.8

14

Init head: 28.8 Init chlor: 65 Init cl: 65.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Draft mgy: Pump gpm: Not Reported Not Reported Head feet: 26.5 Max chlor: 84 Min chlor: 65 Geology: Not Reported Not Reported Not Reported Pump yr: Draft yr: Not Reported Not Reported Head yr: Maxchl: Maxchl yr: Not Reported Minchl: Not Reported Minchl yr: Not Reported Bot hole: -308 Bot solid: -189 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: Not Reported 30103 Aquifer: Tmk: Not Reported Old aqui: Not Reported Aqui code: 30103 Latest hd: 26.50000 Cur head: Not Reported Cur cl: Not Reported Not Reported Cur temp: Wcr: 01/01/1910 Pir: Not Reported Surveyor: Not Reported Not Reported T: Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002239

WNW **HI WELLS** HI400000002343 1/2 - 1 Mile

3-2053-001 Wid: Island: 3 Well no: 2053-01 Well name: Ft Shafter Old name: Not Reported Yr drilled: 1883 **MCCANDLESS** Driller: Quad map: 13 Latitude27: 212038 Longitude2: 1575318 Longitude8: 1575308 Latitude83: 212027 Lat83d: 21 Lat83m: 20 Lat83s: 27 Lon83d: 157 Lon83s: 80

Lon83m: 53 Lat83dd: 21.34083 Lon83dd: -157.88556 Long83dd: -157.88556 Lat83dd 1: 21.34083

Lower

Gps: Utm: 0 Old number: 147-Owner user: Gulick C J Well type: Not Reported Casing dia: 8 Ground el: Well depth: 331

Solid case: Not Reported Perf case: Not Reported **ABNSLD** Use:

Use year: 29

Init water: Not Reported

Init head: 72 Init chlor:

Not Reported Not Reported Test date: Test gpm: Test ddown: Not Reported Test chlor: Not Reported Not Reported Test temp: Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Not Reported Max chlor: Not Reported

Init cl:

Min chlor: 68 Geology: **TKB** Pump yr: Not Reported Draft yr: 00

Head yr: Not Reported Maxchl: Not Reported

72.00000

Minchl: Maxchl yr: 0 Not Reported Minchl yr: 0 Bot hole: -319 Bot solid: Not Reported Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Not Reported Old aqui: Not Reported Tmk: Aqui code: 30104 Latest hd: Not Reported Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/06/1997 Not Reported Not Reported Pir: Surveyor: T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002343

#### C17 SSW 1/2 - 1 Mile Lower

**HI WELLS** HI400000002214

Wid: 3-1952-002 Island: 3 Well no: 1952-02 Well name: Kalihi Old name: Not Reported Yr drilled: 1883 Driller: Not Reported Quad map: 13 1575252 211958 Longitude2: Latitude27: Longitude8: 1575242 Latitude83: 211947 Lat83d: 21 Lat83m: 19 Lat83s: 47 Lon83d: 157 52 Lon83m: Lon83s: 42

Lat83dd: 21.32972 -157.87833 Lon83dd: Long83dd: -157.87833 Lat83dd 1: 21.32972 Gps: 0

Utm: 1 Felix F Old number: Owner user: 135-Well type: Not Reported Casing dia: 8 Ground el: 30 Well depth: 600

Not Reported Solid case: 380 Perf case: **ABNSLD** Use:

Use year: 26

Init water: 13.4 Init head: 13.4

Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Not Reported Test gpm: Not Reported Test ddown: Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Max chlor: Not Reported Min chlor: Not Reported Geology: **TKB** 

Not Reported Pump yr: Draft yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported

Not Reported Minchl yr: Bot hole: -570 Bot solid: -350 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported 30103 Draft mgd: Aquifer: Tmk: Not Reported Old aqui: Not Reported Aqui code: 30103 Latest hd: 13.20000 Cur cl: Not Reported Cur head: Not Reported Cur temp: Not Reported Wcr: 01/01/1939 Pir: Not Reported Surveyor: Not Reported

T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002214

ESE 1/2 - 1 Mile Higher

 Wid:
 3-2052-007
 Island:
 3

 Well no:
 2052-07
 Well name:
 Kr

Kamehameha Sch 1 Old name: Not Reported Yr drilled: 1927 **MCCANDLESS** Driller: Quad map: 13 212016 Longitude2: 1575212 Latitude27: Longitude8: 1575202 Latitude83: 212005 Lat83d: 21 Lat83m: 20 Lat83s: 05 Lon83d: 157 Lon83m: 52 Lon83s: 02

Lat83dd: 21.33472 Lon83dd: -157.86722 Long83dd: -157.86722 Lat83dd 1: 21.33472

 Gps:
 0
 Utm:
 1

 Owner user:
 KS/Bishop Estate
 Old number:
 133 

 Well type:
 Not Reported
 Casing dia:
 12

 Ground el:
 80
 Well depth:
 321

Solid case: 118 Perf case: Not Reported

Use: ABNSLD Use year: 04

Init water: 26.0 Init head: 26 Init chlor: 84

Init chlor:84Init cl:84.00000Test date:Not ReportedTest gpm:Not ReportedTest ddown:Not ReportedTest chlor:Not ReportedTest temp:Not ReportedTemp unit:Not Reported

Draft mgy: Pump gpm: 600.00000 79 Head feet: 25.7 Max chlor: 190 **TKB** Min chlor: 39 Geology: Pump yr: Not Reported Draft yr: 76

Head yr:Not ReportedMaxchl:Not ReportedMaxchl yr:0Minchl:Not Reported

Minchl yr: 0 Bot hole: -241

Bot solid: -38 Bot perf: Not Reported

 Spec capac:
 Not Reported
 Pump mgd:
 .864

 Draft mgd:
 0.2
 Aquifer:
 30103

 Tmk:
 1-6-027:077
 Old aqui:
 Not Reported

Aqui code: 30103 Latest hd: 25.70000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/01/1927 Pir: 1/1/1977 Surveyor: Not Reported T: Not Reported Pump elev: Not Reported

Pump depth: Not Reported Site id: HI4000000002287

E19 SE 1/2 - 1 Mile Lower

HI WELLS HI400000002232

 Wid:
 3-2052-004
 Island:
 3

 Well no:
 2052-04
 Well name:
 Bishop Museum

1895 Old name: Not Reported Yr drilled: **MCCANDLESS** Driller: Quad map: 13 212002 Longitude2: 1575224 Latitude27: 211951 Longitude8: 1575214 Latitude83: Lat83d: 21 Lat83m: 19 Lat83s: 51 Lon83d: 157 Lon83m: 52 Lon83s: 14

Lat83dd: 21.33083 Lon83dd: -157.87056 Long83dd: -157.87056 Lat83dd 1: 21.33083

 Gps:
 0
 Utm:
 1

 Owner user:
 KS/Bishop Estate
 Old number:
 129 

 Well type:
 Not Reported
 Casing dia:
 8

 Ground el:
 28
 Well depth:
 346

Solid case: Not Reported Perf case: Not Reported

Use: ABNSLD Use year: 27

Init water: 28.7 Init head: 28.7 Init chlor: 86

Higher

Init cl: 86.00000 Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported

 Head feet:
 24.8
 Max chlor:
 86

 Min chlor:
 76
 Geology:
 RA

Pump yr:Not ReportedDraft yr:Not ReportedHead yr:Not ReportedMaxchl:Not ReportedMaxchl yr:Not ReportedMinchl:Not Reported

Minchl yr: Not Reported Bot hole: -318

Not Reported Not Reported Bot solid: Bot perf: Not Reported Pump mgd: Not Reported Spec capac: Draft mgd: Not Reported Aquifer: 30103 Tmk: Not Reported Old aqui: Not Reported Latest hd: 24.80000 Aqui code: 30103 Not Reported Cur head: Not Reported Cur cl: Not Reported Wcr: 05/20/1997

Cur head:

Cur cl:

Not Reported

Cur cl:

Not Reported

Cur cl:

Not Reported

Wcr:

05/20/1997

Pir:

Not Reported

Surveyor:

Not Reported

T:

Not Reported

Pump elev:

Not Reported

Pump depth:

Not Reported

Site id:

HI4000000002232

B20 ESE HI WELLS HI4000000002290 1/2 - 1 Mile

Wid: 3-2052-011 Island: 3

Well no: 2052-11 Well name: Kamehameha Sch 2

Old name: Not Reported Yr drilled: 1977 Driller: WAT RES INTL Quad map: 13 Latitude27: 212017 Longitude2: 1575211 Longitude8: 1575201 Latitude83: 212006 Lat83d: 21 Lat83m: 20 Lat83s: 06 Lon83d: 157 Lon83m: 52 Lon83s: 01 Lat83dd: 21.335

Init cl:

Test gpm:

50.00000

850

 Lon83dd:
 -157.86694

 Long83dd:
 -157.86694

 Lat83dd 1:
 21.335

Gps: 0 Utm: 1
Owner user: KS/Bishop Estate Old number: Not Reported

Well type:ROTCasing dia:12Ground el:90Well depth:334

Solid case: 129 Perf case: Not Reported

Use: ABNSLD Use year: 04

Init water: Not Reported

 Init head:
 0

 Init chlor:
 50

 Test date:
 1/1/1977

Test ddown: 4.8 Test chlor: 75 Not Reported Temp unit: Not Reported Test temp: 600.00000 Pump gpm: Draft mgy: Not Reported Head feet: 26.0 Max chlor: Not Reported

Not Reported Geology: TKB Min chlor: Pump yr: Not Reported Draft yr: Not Reported Not Reported Maxchl: Head yr: Not Reported Maxchl yr: 0 Minchl: Not Reported

Minchl yr: 0 Bot hole: -244

Bot solid: -39 Bot perf: Not Reported Spec capac: 177 Pump mgd: .864

Draft mgd: Not Reported Aquifer: 30103 Tmk: 1-6-027:077 Old aqui: Not Reported Aqui code: 30103 Latest hd: 26.00000 Cur head: Not Reported Not Reported Cur cl: Not Reported Wcr: Cur temp: 07/01/1977 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002290

SW 1/2 - 1 Mile Lower

HI WELLS HI400000002256 - 1 Mile

Wid: 3-2053-008 Island: 3 Well no: 2053-08 Well name: Kalihi 1903 Old name: Not Reported Yr drilled: **MCCANDLESS** Quad map: Driller: 13 1575315 212010 Longitude2: Latitude27: Longitude8: 1575305 Latitude83: 211959 Lat83d: 21 Lat83m: 19 Lat83s: 59 Lon83d: 157 Lon83m: Lon83s: 05 53

Lat83dd: 21.33306 Lon83dd: -157.88472 Long83dd: -157.88472 Lat83dd 1: 21.33306

 Gps:
 0
 Utm:
 1

 Owner user:
 Fasi F F
 Old number:
 142 

 Well type:
 Not Reported
 Casing dia:
 10

 Ground el:
 7
 Well depth:
 670

Solid case: 507 Perf case: Not Reported Use: USE year: 74

Use: UNU Use year: 74 Init water: 28.0

Init head: 28 Init chlor: 109 Init cl: 109.00000 Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Test temp: Not Reported Temp unit: Not Reported Draft mgy: Pump gpm: Not Reported Not Reported Head feet: 23.6 Max chlor: 395 Min chlor: 102 Geology: TKB Not Reported Not Reported Pump yr: Draft yr: Not Reported Not Reported Head yr: Maxchl: Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -663 Bot solid: -500 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Tmk: 1-2-026:020 Old aqui: Not Reported Aqui code: 30104 Latest hd: 23.65000 Not Reported Cur cl: Not Reported Cur head: Not Reported 01/01/1903 Cur temp: Wcr: Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002256

22 WSW HI WELLS HI4000000002292 1/2 - 1 Mile

3-2053-009 Wid: Island: 3 Well no: 2053-09 Well name: Kalihi Old name: Not Reported Yr drilled: 1905 Not Reported Driller: Quad map: 13 Latitude27: 212018 Longitude2: 1575320 Longitude8: 1575310 Latitude83: 212007 Lat83d: 21 Lat83m: 20 Lat83s: 07 Lon83d: 157 Lon83m: 53 Lon83s: 10

Lat83dd: 21.33528 Lon83dd: -157.88611 Long83dd: -157.88611 Lat83dd 1: 21.33528

Lower

 Gps:
 0
 Utm:
 1

 Owner user:
 Haw Meat Co
 Old number:
 143 

 Well type:
 Not Reported
 Casing dia:
 8

 Ground el:
 22
 Well depth:
 607

Solid case: 449 Perf case: Not Reported

Use: ABNSLD Use year: 93
Init water: 28.0

Init water: 28.0
Init head: 28
Init chlor: 89

Init chlor:89Init cl:89.00000Test date:Not ReportedTest gpm:Not ReportedTest ddown:Not ReportedTest chlor:Not Reported

Test temp: 21.6 Temp unit: C

Pump gpm:Not ReportedDraft mgy:Not ReportedHead feet:23.5Max chlor:680

Min chlor: 104 Geology: TKB
Pump yr: Not Reported Draft yr: 76

Head yr: Not Reported Maxchl: Not Reported

0 Minchl: Maxchl yr: Not Reported Minchl yr: 0 Bot hole: -585 Bot solid: -427 Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 1-2-016:007 Old aqui: Not Reported Tmk: Aqui code: 30104 Latest hd: 23.50000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/01/1905 Not Reported Surveyor: Not Reported Pir: T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002292

**HI WELLS** HI400000002233

1/2 - 1 Mile Lower

Wid: 3-2052-003 Island: Well no: 2052-03 Well name: Waiakamilo Old name: Not Reported Yr drilled: 1894 Driller: Not Reported Quad map: 13 1575218 212002 Longitude2: Latitude27: Longitude8: 1575208 Latitude83: 211951 Lat83d: 21 Lat83m: 19 Lat83s: 51 Lon83d: 157 80 Lon83m: 52 Lon83s: Lat83dd: 21.33083 -157.86889 Lon83dd: Long83dd: -157.86889 Lat83dd 1: 21.33083 Utm: Gps: 0 1

Chinese Ywca Old number: Owner user: 131-Well type: Not Reported Casing dia: 8 Ground el: 29 Well depth: 210 Solid case: 147 Perf case:

Not Reported

ABNSLD Use: Use year: 47

Init water: 31.2 Init head: 31.2 Init chlor: 114

Init cl: 114.00000 Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Max chlor: Not Reported

Min chlor: Not Reported Geology: RA Not Reported Pump yr: Draft yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported

Not Reported Minchl yr: Bot hole: -181 Bot solid: -118 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported 30103 Draft mgd: Aquifer: Tmk: Not Reported Old aqui: Not Reported Latest hd: Aqui code: 30103 26.70000 Cur cl: Not Reported Cur head: Not Reported Cur temp: Not Reported Wcr: 05/20/1997 Pir: Not Reported Surveyor: Not Reported

Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002233

**HI WELLS** East 1/2 - 1 Mile Higher

3-2052-014 Wid: Island: 3 Well no: 2052-14 Well name: Kapalama 1 Old name: Not Reported Yr drilled: 1997 **ROSCOE MOSS** Driller: Quad map: 13 212031 Longitude2: 1575203 Latitude27: Longitude8: 1575153 Latitude83: 212020 Lat83d: 21 Lat83m: 20 Lat83s: 20 Lon83d: 157 Lon83m: 51 Lon83s: 53

Lat83dd: 21.33889 -157.86472 Lon83dd: Long83dd: -157.86472 Lat83dd 1: 21.33889

F24

Gps: Utm:

Honolulu BWS Owner user: Old number: Not Reported

Well type: **ROT** Casing dia: 14 Ground el: 196 Well depth: 346

Solid case: 246 Perf case: Not Reported

MUNCO 01 Use: Use year:

Init water: Not Reported

Init head: 22.3

Init chlor: Not Reported Init cl: 83.00000 Test date: 4/2/1997 Test gpm: 1232 Test chlor: 88 Test ddown: 1.5 Test temp: Temp unit: С 21.6

Draft mgy: Pump gpm: 1050.00000 Not Reported Head feet: Not Reported Max chlor: Not Reported

Min chlor: Not Reported Geology: **TKB** 

Pump yr: 00 Draft yr: Not Reported Maxchl: Head yr: Not Reported Not Reported

Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -150 -50 Bot solid: Bot perf: Not Reported

Spec capac: 821 Pump mgd: 1.512 Draft mgd: Not Reported Aquifer: Not Reported Tmk: 1-6-022:007 Old aqui: Not Reported Aqui code: 30103 Latest hd: Not Reported Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/06/1997

Pir: Not Reported Surveyor: HONOLULU BWS

T: Not Reported Pump elev:

Pump depth: HI400000002316 232 Site id:

F25 East 1/2 - 1 Mile Higher

**HI WELLS** HI400000002330

Wid: 3-2052-013 Island: Well no: 2052-13 Well name: Kapalama 2 Old name: Not Reported Yr drilled: 1996 Driller: **ROSCOE MOSS** Quad map: 13 212032 Longitude2: 1575203 Latitude27: 1575153 212021 Longitude8: Latitude83: Lat83d: 21 Lat83m: 20 Lat83s: 21 Lon83d: 157 Lon83m: 51 Lon83s: 53

Lat83dd: 21.33917 Lon83dd: -157.86472 Long83dd: -157.86472 Lat83dd 1: 21.33917 Gps: 1

Gps:1Utm:0Owner user:Honolulu BWSOld number:Not ReportedWell type:ROTCasing dia:14

Ground el: 189 Well depth: 339

Solid case: 239 Perf case: Not Reported Use: MUNCO Use year: 01

Init water: Not Reported

Init head: 22.3

1/2 - 1 Mile Lower

Init chlor: Not Reported Init cl: Not Reported Test date: ######## Test gpm: 1450 Test ddown: 94 1.0 Test chlor: Test temp: 21.7 Temp unit: С

Pump gpm:1050.00000Draft mgy:Not ReportedHead feet:Not ReportedMax chlor:Not Reported

Min chlor: Not Reported Geology: TKB

Pump yr:01Draft yr:Not ReportedHead yr:Not ReportedMaxchl:Not Reported

Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -150

Bot solid: -50 Bot perf: Not Reported

Spec capac: 1450 Pump mgd: 1.512 Draft mgd: Not Reported Aquifer: Not Reported 1-6-022:007 Tmk: Old aqui: Not Reported 30103 Latest hd: Not Reported Aqui code:

Aqui code:30103Latest hd:Not ReportedCur head:Not ReportedCur cl:Not ReportedCur temp:Not ReportedWcr:11/25/1996Pir:Not ReportedSurveyor:HONOLULU BWS

T. Not Reported Surveyor. HONOLOGO BWO

T: Not Reported Pump elev: -35
Pump depth: 224 Site id: HI400000002330

G26 SSE HI WELLS HI400000002199

Wid: 3-1952-016 Island: 3

Well no: 1952-16 Well name: Kalihi Pump Sta
Old name: Not Reported Yr drilled: 1926

Driller: Not Reported Quad map: 13 Longitude2: 1575227 Latitude27: 211953 Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: 52 Lon83s: 17 Lat83dd: 21.32833

Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

Gps: 0 Utm: Honolulu BWS 128-A Owner user: Old number: Well type: Not Reported Casing dia: 12 Ground el: 21 Well depth: 430

Solid case: 240 Perf case: Not Reported MUNCO Use year: 74

Use: 25.6 Init water:

Init head: 25.6 Init chlor: Not Reported

Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Not Reported Test temp: Temp unit: Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Not Reported Max chlor: Not Reported Not Reported Geology: TKB Min chlor: Not Reported Pump yr: Draft yr: 76

Head yr: Not Reported Maxchl: Not Reported Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -409 Bot solid: -219 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported

Draft mgd: Not Reported Aquifer: 30103 Tmk: 1-5-003:020 Old aqui: Not Reported Aqui code: 30103 Latest hd: Not Reported Cur head: Not Reported Not Reported Cur cl: Wcr: Cur temp: Not Reported 01/01/1926 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported

Pump depth: Not Reported Site id: HI400000002199

1/2 - 1 Mile

Lower

Wid: 3-1952-017 Island:

Well no: 1952-17 Well name: Kalihi Pump Sta

1926 Old name: Not Reported Yr drilled: Quad map: Driller: Not Reported 13 Longitude2: 1575227 Latitude27: 211953 Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: Lon83s: 17 52

21.32833 Lat83dd: Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

Gps: 0 Utm: Honolulu BWS Old number: 128-B Owner user: Well type: Not Reported Casing dia: 12 401 Ground el: 19 Well depth:

Solid case: 363 Perf case: Not Reported

Use: **MUNCO** Use year: 74 Init water: 26.1

TC2694968.3s Page A-50

**HI WELLS** 

Init head: 26.1 Init chlor: 88 Init cl: 88.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Test temp: Temp unit: Not Reported Draft mgy: Pump gpm: Not Reported Not Reported Head feet: 26.0 Max chlor: Not Reported Min chlor: Not Reported Geology: **TKB** Not Reported 76 Pump yr: Draft yr: Not Reported Not Reported Head yr: Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Minchl yr: Not Reported Bot hole: -382 Bot solid: -344 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported Draft mgd: 30103 Aquifer: 1-5-003:020 Tmk: Old aqui: Not Reported Aqui code: 30103 Latest hd: 26.00000 Cur head: Not Reported Cur cl: Not Reported Not Reported Cur temp: Wcr: 01/01/1926 Pir: Not Reported Surveyor: Not Reported Not Reported T: Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002200

G28 SSE HI WELLS HI400000002198

1/2 - 1 Mile Lower

Wid: 3-1952-008 Island: 3

Well no: 1952-08 Well name: Kalihi Pump Sta Old name: Not Reported Yr drilled: 1900 **MCCANDLESS** Driller: Quad map: 13 Latitude27: 211953 Longitude2: 1575227 Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: 52 Lon83s: 17

Lat83dd: 21.32833 Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

 Gps:
 0
 Utm:
 1

 Owner user:
 Honolulu BWS
 Old number:
 128-H

 Well type:
 Not Reported
 Casing dia:
 12

 Ground el:
 21
 Well depth:
 490

Solid case: Not Reported Perf case: Not Reported

Use: MUNCO Use year: 74

 Init water:
 29.7

 Init head:
 29.7

 Init chlor:
 80

80.00000 Init cl: Not Reported Not Reported Test date: Test gpm: Test ddown: Not Reported Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: 25.8 Max chlor: Not Reported

Min chlor: Not Reported Geology: TKB
Pump yr: Not Reported Draft yr: 76

Head yr: Not Reported Maxchl: Not Reported

Minchl: Maxchl yr: 0 Not Reported Minchl yr: 0 Bot hole: -469 Bot solid: Not Reported Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30103 1-5-003:020 Old aqui: Not Reported Tmk: Aqui code: 30103 Latest hd: 25.80000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/02/1900 Not Reported Not Reported Pir: Surveyor: T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002198

G29 SSE 1/2 - 1 Mile Lower

HI WELLS HI400000002196

 Wid:
 3-1952-006
 Island:
 3

 Well no:
 1952-06
 Well name:
 Kalihi Pump Sta

 Old name:
 Not Reported
 Yr drilled:
 1900

 Driller:
 MCCANDLESS
 Ouad map:
 13

**MCCANDLESS** Driller: Quad map: 13 211953 Longitude2: 1575227 Latitude27: Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: 52 Lon83s: 17

Lat83dd: 21.32833 Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

 Gps:
 0
 Utm:
 1

 Owner user:
 Honolulu BWS
 Old number:
 128-F

 Well type:
 Not Reported
 Casing dia:
 12

 Ground el:
 21
 Well depth:
 460

Solid case: Not Reported Perf case: Not Reported

Use: MUNCO Use year: 74

Init water: 30.4
Init head: 30.4

Init chlor: 80 Init cl: 000000 Test date: Not Reported Test gpm: Not Reported Not Reported Test ddown: Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported

Pump gpm: Not Reported Draft mgy: 1851 Head feet: 27.2 Max chlor: 80 TKB Min chlor: 64 Geology: 76 Pump yr: Not Reported Draft yr:

Head yr:Not ReportedMaxchl:Not ReportedMaxchl yr:0Minchl:Not Reported

Minchl yr: 0 Bot hole: -439

Bot solid: Not Reported Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: 30103 5.1 Aquifer: Tmk: 1-5-003:020 Old aqui: Not Reported Aqui code: 30103 Latest hd: 27.20000

Cur head:Not ReportedCur cl:Not ReportedCur temp:Not ReportedWcr:01/02/1900Pir:Not ReportedSurveyor:Not Reported

Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002196

G30 SSE 1/2 - 1 Mile Lower

**HI WELLS** HI400000002197

Wid: 3-1952-007 Island: 3 Well no: Kalihi Pump Sta 1952-07 Well name: Old name: Not Reported Yr drilled: 1900 **MCCANDLESS** Driller: Quad map: 13 Longitude2: 1575227 Latitude27: 211953 Longitude8: 1575217 211942 Latitude83: Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: Lon83s: 17 52 Lat83dd: 21.32833 Lon83dd: -157.87139 Long83dd: -157.87139

Lat83dd 1: 21.32833 Gps:

Utm: Honolulu BWS 128-G Owner user: Old number: Well type: Not Reported Casing dia: 12 Ground el: 20 Well depth: 475

229 Solid case: Perf case: Not Reported 74

MUNCO Use: Use year: Init water: 28.8 Init head: 28.8

Init chlor: 80 Init cl: 80.00000 Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Not Reported Temp unit: Not Reported Test temp: Draft mgy: Pump gpm: Not Reported Not Reported Head feet: 26.0 Max chlor: Not Reported

**TKB** Min chlor: Not Reported Geology: Pump yr: Not Reported Draft yr: 76 Maxchl: Head yr: Not Reported Not Reported Not Reported Maxchl yr: Minchl: Not Reported

Minchl yr: Not Reported Bot hole: -455 Bot solid: -209 Bot perf: Not Reported Spec capac: Not Reported Not Reported Pump mgd: Draft mgd: Not Reported Aquifer: 30103 Tmk: 1-5-003:020 Old aqui: Not Reported

Aqui code: 30103 Latest hd: 26.00000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/02/1900 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported Pump depth: HI400000002197 Not Reported Site id:

1/2 - 1 Mile Lower

**HI WELLS** HI400000002203

Wid: 3-1952-022 Island: Well no: 1952-22 Well name: Kalihi Pump Sta Old name: Not Reported Yr drilled: 1927 **PRIMMER** Driller: Quad map: 13 Longitude2: 1575227 Latitude27: 211953 211942 Longitude8: 1575217 Latitude83: Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: 52 Lon83s: 17 21.32833 Lat83dd: -157.87139 Lon83dd: Long83dd: -157.87139 Lat83dd 1: 21.32833 Gps: 0 Utm: Honolulu BWS Old number: 128-D Owner user: Well type: Not Reported Casing dia: 12 Ground el: 24 Well depth: 360 Solid case: 251 Perf case: Not Reported MUNCO Use: Use year: 74 Init water: 25.9 Init head: 25.9 Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Not Reported Not Reported Test ddown: Test chlor: Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: 26.0 Max chlor: Not Reported Min chlor: Not Reported TKB Geology: Not Reported Pump yr: Draft yr: 76 Not Reported Maxchl: Head yr: Not Reported Maxchl yr: Minchl: Not Reported Minchl yr: 0 Bot hole: -336 -227 Not Reported Bot solid: Bot perf: Not Reported Pump mgd: Not Reported Spec capac: Draft mgd: Not Reported Aquifer: 30103 Tmk: 1-5-003:020 Old aqui: Not Reported 30103 Latest hd: 26.00000 Aqui code: Not Reported Cur head: Not Reported Cur cl: Cur temp: Not Reported Wcr: 01/01/1927 Not Reported Pir: Surveyor: Not Reported T: Not Reported Pump elev: Not Reported HI400000002203 Pump depth: Not Reported Site id:

G32 SSE HI WELLS HI400000002204 1/2 - 1 Mile

 Wid:
 3-1952-048
 Island:
 3

 Well no:
 1952-48
 Well name:
 Kalihi Sta Deep Mon

Lower

Not Reported Old name: Yr drilled: 2000 Driller: WAT RES INTL Quad map: 13 Longitude2: 1575227 Latitude27: 211953 Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 157 Lon83d: Lon83m: 52 Lon83s: 17 Lat83dd: 21.32833

Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

Gps: 0 Utm:

Honolulu BWS

Not Reported Owner user: Old number: Well type: ROT Casing dia: 8 Ground el: 21 Well depth: 1200

Solid case: 260 Perf case: Not Reported

**OBSDM** Use year: Use: 00

Not Reported Init water:

Init head:

Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Not Reported Test temp: Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Not Reported Max chlor: Not Reported Not Reported Geology: Min chlor: TKB

Not Reported Pump yr: Draft yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported Minchl yr: Not Reported Bot hole: -1179

Bot solid: -239 Bot perf: Not Reported Pump mgd: Spec capac: Not Reported Not Reported Draft mgd: Not Reported Aquifer: Not Reported Tmk: 1-5-003:020 Old aqui: Not Reported Aqui code: 30103 Latest hd: 23.32000 Cur head: Not Reported Cur cl: Not Reported Wcr: Cur temp: Not Reported 04/22/1997

HONOLULU BWS Pir: Not Reported Surveyor: Not Reported Pump elev: Not Reported T: Pump depth: Not Reported Site id: HI400000002204

**HI WELLS** HI400000002201

1/2 - 1 Mile Lower

> Wid: 3-1952-018 Island:

Well no: 1952-18 Well name: Kalihi Pump Sta Old name: Not Reported Yr drilled: 1926

Quad map: Driller: Not Reported 13 Longitude2: 1575227 Latitude27: 211953 Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: Lon83s: 17 52

21.32833 Lat83dd: Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

Gps: 0 Utm: Honolulu BWS Old number: 128-C Owner user: Well type: Not Reported Casing dia: 12 442 Ground el: 24 Well depth:

265 Perf case: Solid case: Not Reported

Use: **MUNCO** 74 Use year:

Init water: 25.9

Init head: 25.9 Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Not Reported Draft mgy: Pump gpm: Not Reported Head feet: 26.0 Max chlor: Not Reported Min chlor: Not Reported Geology: **TKB** Not Reported 76 Pump yr: Draft yr: Not Reported Head yr: Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported Minchl yr: Not Reported Bot hole: -418 Bot solid: -241 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported Draft mgd: 30103 Aquifer: 1-5-003:020 Tmk: Old aqui: Not Reported Aqui code: 30103 Latest hd: 26.00000 Cur head: Not Reported Cur cl: Not Reported Not Reported Cur temp: Wcr: 01/01/1926 Pir: Not Reported Surveyor: Not Reported Not Reported T: Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002201

G34
SSE HI WELLS HI400000002202

1/2 - 1 Mile Lower

Wid: 3-1952-019 Island: 3

Well no: 1952-19 Well name: Kalihi Pump Sta Old name: Not Reported Yr drilled: 1926 **PRIMMER** Driller: Quad map: 13 211953 Longitude2: 1575227 Latitude27: Longitude8: 1575217 Latitude83: 211942 Lat83d: 21 Lat83m: 19 Lat83s: 42 Lon83d: 157 Lon83m: 52 Lon83s: 17

Lat83dd: 21.32833 Lon83dd: -157.87139 Long83dd: -157.87139 Lat83dd 1: 21.32833

 Gps:
 0
 Utm:
 1

 Owner user:
 Honolulu BWS
 Old number:
 128-E

 Well type:
 Not Reported
 Casing dia:
 12

 Ground el:
 23
 Well depth:
 414

Solid case: 271 Perf case: Not Reported

Use: MUNCO Use year: 74

Init water: 26.0 Init head: 26

Not Reported Not Reported Init chlor: Init cl: Not Reported Test date: Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: 26.0 Max chlor: Not Reported

Min chlor: Not Reported Geology: TKB
Pump yr: Not Reported Draft yr: 76

Head yr: Not Reported Maxchl: Not Reported

Maxchl yr: Not Reported Minchl: Not Reported Minchl yr: Not Reported Bot hole: -391 Bot solid: -248 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Not Reported Draft mgd: Aquifer: 30103 1-5-003:020 Old aqui: Not Reported Tmk: Aqui code: 30103 Latest hd: 26.00000 Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/01/1926 Not Reported Not Reported Pir: Surveyor: T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002202

35

35 NW 1/2 - 1 Mile Lower

HI WELLS HI400000002379

Wid: 3-2053-007 Island: Well no: 2053-07 Well name: Ft Shafter Old name: Not Reported Yr drilled: 1898 Driller: **MCCANDLESS** Quad map: 13 212053 Longitude2: 1575320 Latitude27: Longitude8: 1575310 Latitude83: 212042 Lat83d: 21 Lat83m: 20 Lat83s: 42 Lon83d: 157 Lon83m: 53 Lon83s: 10

Lat83dd: 21.345 Lon83dd: -157.88611 Long83dd: -157.88611 Lat83dd 1: 21.345 Gps: 0

 Gps:
 0
 Utm:
 1

 Owner user:
 U S Army
 Old number:
 151 

 Well type:
 Not Reported
 Casing dia:
 8

 Ground el:
 39
 Well depth:
 248

Solid case: Not Reported Perf case: Not Reported

Use: ABNSLD Use year: 38
Init water: Not Reported

Init head:

Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Test temp: Not Reported Temp unit: Not Reported Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Max chlor: Not Reported Min chlor: Not Reported Geology: **TKB** 

Pump yr: Not Reported Draft yr: Not Reported Head yr: Not Reported Maxchl: Not Reported Maxchl yr: Not Reported Minchl: Not Reported N

Minchl yr: Not Reported Bot hole: -209 Bot solid: Not Reported Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported 30104 Draft mgd: Not Reported Aquifer: Tmk: Not Reported Old aqui: Not Reported Aqui code: 30104 Latest hd: 28.00000 Cur cl: Not Reported Cur head: Not Reported

Cur temp: Not Reported Wcr: 01/06/1997
Pir: Not Reported Surveyor: Not Reported

T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: Not Reported HI400000002379

36 SW 1/2 - 1 Mile Lower

HI WELLS HI400000002213

Wid: 3-1953-001 Island: 3 Oahu Prison Well no: 1953-01 Well name: Old name: Not Reported Yr drilled: 1915 Driller: **MCCANDLESS** Quad map: 13 Longitude2: 1575313 Latitude27: 211958 1575303 211947 Longitude8: Latitude83: Lat83d: 21 Lat83m: 19 Lat83s: 47 Lon83d: 157 Lon83m: 03 53 Lon83s: Lat83dd: 21.32972

Lat83dd: 21.32972 Lon83dd: -157.88417 Long83dd: -157.88417 Lat83dd 1: 21.32972

Gps: 0 Utm: 1
Owner user: State Of Hawaii Old number: Not Reported

Well type: Not Reported Casing dia: 12 Ground el: 17 Well depth: 666

Solid case: Ferf case: Not Reported

Use: ABNSLD Use year: 76

Init water: Not Reported

Init head: 0

Init chlor: Not Reported Init cl: Not Reported Test date: Not Reported Test gpm: Not Reported Not Reported Test ddown: Test chlor: Not Reported Not Reported Temp unit: Not Reported Test temp: Draft mgy: Pump gpm: Not Reported Not Reported Head feet: Not Reported Max chlor: Not Reported Min chlor: Not Reported Geology: Not Reported Pump yr: Not Reported Draft yr: Not Reported Maxchl: Head yr: Not Reported Not Reported Not Reported Maxchl yr: 0 Minchl: Minchl yr: 0 Bot hole: -649 Bot solid: -547 Bot perf: Not Reported Spec capac: Not Reported Not Reported Pump mgd: Draft mgd: Not Reported Aquifer: 30103 Tmk: Not Reported Old aqui: Not Reported Aqui code: 30103 Latest hd: Not Reported Cur head: Not Reported Cur cl: Not Reported Cur temp: Not Reported Wcr: 01/01/1915 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported

Not Reported

7 E HI WELLS HI400000002238

Site id:

1/2 - 1 Mile Lower

Pump depth:

Wid: 3-2052-012 Island: Well no: 2052-12 Well name: Jonathan Springs 2002 Old name: Not Reported Yr drilled: Driller: **ROSCOE MOSS** Quad map: 13 212003 Longitude2: 1575208 Latitude27: 1575158 211952 Longitude8: Latitude83: Lat83d: 21 Lat83m: 19 Lat83s: 52 Lon83d: 157 Lon83m: 51 Lon83s: 58 21.33111 Lat83dd: -157.86611 Lon83dd: Long83dd: -157.86611 Lat83dd 1: 21.33111 Gps: 0 Utm: Honolulu BWS Old number: Not Reported Owner user: PER Casing dia: Well type: 14 Ground el: 31 Well depth: 1150 Solid case: 50 Perf case: Not Reported **OBSDM** Use: Use year: 02 Init water: 21.9 Init head: 21.9 Init chlor: Not Reported Init cl: Not Reported 1165 Test date: Not Reported Test gpm: Test ddown: Test chlor: 120 1.2 Test temp: 22.2 Temp unit: С Pump gpm: Not Reported Draft mgy: Not Reported Head feet: Not Reported Max chlor: 123 Min chlor: TKB 100 Geology: Pump yr: Not Reported Draft yr: Not Reported Not Reported Maxchl: Head yr: Not Reported Maxchl yr: Minchl: Not Reported Minchl yr: 0 Bot hole: -1119 -19 Not Reported Bot solid: Bot perf: Spec capac: 971 Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30103 1-6-005:031 Tmk: Old aqui: Not Reported 30103 Latest hd: 23.10000 Aqui code: Cur cl: Not Reported Cur head: Not Reported Cur temp: Not Reported Wcr: 01/01/1981 Not Reported Pir: Surveyor: Not Reported T: Not Reported Pump elev: Not Reported

38 WSW HI WELLS HI400000002246 1/2 - 1 Mile

Site id:

Wid: 3-2053-012 Island: 3 Kalihi Well no: 2053-12 Well name: Not Reported 1967 Old name: Yr drilled: Driller: LAYNE INTL Quad map: 13 Longitude2: 1575326 Latitude27: 212007 Longitude8: 1575316 Latitude83: 211956 Lat83d: 21 Lat83m: 19 Lat83s: 56 Lon83d: 157 Lon83m: 53 Lon83s: 16 Lat83dd: 21.33222

Not Reported

Pump depth:

Lower

Lon83dd: -157.88778 Long83dd: -157.88778 Lat83dd 1: 21.33222 Gps: 0

 Gps:
 0
 Utm:
 1

 Owner user:
 Gaspro
 Old number:
 142-1

 Well type:
 ROT
 Casing dia:
 6

 Ground el:
 6
 Well depth:
 789

 Solid case:
 588
 Perf case:
 Not R

Solid case: 588 Perf case: Not Reported

Use: UNU Use year: 79

Init water: 21.3 Init head: 21.3

Init chlor:2712Init cl:2712.00000Test date:Not ReportedTest gpm:150Test ddown:Not ReportedTest chlor:Not Reported

Test temp: 21.1 Temp unit: C
Pump gpm: Not Reported Draft mgy: Not Reported

Head feet: Not Reported Max chlor: 2850
Min chlor: Not Reported Geology: TKB
Pump yr: Not Reported Draft yr: 76
Head yr: Not Reported Maxchl: Not R

Head yr: Not Reported Not Reported Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -783 Bot solid: -582 Bot perf: Not Reported Not Reported Spec capac: Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Tmk: 1-2-019:003 Old aqui: Not Reported Aqui code: 30104 Latest hd: Not Reported Cur head: Not Reported Not Reported Cur cl: Wcr: Cur temp: Not Reported 01/01/1967

Pir: Not Reported Surveyor: Not Reported
T: Not Reported Pump elev: Not Reported
Pump depth: Not Reported Site id: HI400000002246

39 NW 1/2 - 1 Mile Lower

Wid: 3-2153-003 Island: 3

Well no: 2153-03 Well name: Ft Shafter 1906 Old name: Not Reported Yr drilled: **MCCANDLESS** Quad map: Driller: 13 212102 Longitude2: 1575318 Latitude27: Longitude8: 1575308 Latitude83: 212051 Lat83d: 21 Lat83m: 20 Lat83s: 51 Lon83d: 157 Lon83m: Lon83s: 80 53

Lat83dd: 21.3475 Lon83dd: -157.88556 Long83dd: -157.88556 Lat83dd 1: 21.3475

Gps: 0 Utm: 1 U S Army Old number: 152-Owner user: Well type: Not Reported Casing dia: 12 Well depth: 302 Ground el: 60

Solid case: 227 Perf case: Not Reported

Use: ABNSLD Use year: 29
Init water: Not Reported

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**HI WELLS** 

Init head: 0 Init chlor: 64 Init cl: 64.00000 Test date: Not Reported Test gpm: Not Reported Test ddown: Not Reported Test chlor: Not Reported Test temp: Not Reported Temp unit: Not Reported Draft mgy: Pump gpm: Not Reported Not Reported Head feet: 26.1 Max chlor: Not Reported Min chlor: Not Reported Geology: **TKB** Not Reported Not Reported Pump yr: Draft yr: Not Reported Not Reported Head yr: Maxchl: Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -242 Bot solid: -167 Bot perf: Not Reported Spec capac: Not Reported Pump mgd: Not Reported Draft mgd: Not Reported Aquifer: 30104 Tmk: Not Reported Old aqui: Not Reported Aqui code: 30104 Latest hd: 26.10000 Cur cl: Not Reported Cur head: Not Reported Not Reported Cur temp: Wcr: 01/01/1906 Pir: Not Reported Surveyor: Not Reported T: Not Reported Pump elev: Not Reported Pump depth: Not Reported Site id: HI400000002386

40 SSW HI WELLS HI400000002168

1/2 - 1 Mile Lower

3-1952-038 Wid: Island: 3 Well no: 1952-38 Well name: Kapalama Old name: Not Reported Yr drilled: 1900 Not Reported Driller: Quad map: 13 Latitude27: 211942 Longitude2: 1575257 Longitude8: 1575247 Latitude83: 211931 Lat83d: 21 Lat83m: 19 Lat83s: 31 Lon83d: 157 Lon83m: 52 Lon83s: 47

Lat83dd: 21.32528 Lon83dd: -157.87972 Long83dd: -157.87972 Lat83dd 1: 21.32528

 Gps:
 0
 Utm:
 1

 Owner user:
 KS/Bishop Estate
 Old number:
 134

 Well type:
 Not Reported
 Casing dia:
 10

 Ground el:
 15
 Well depth:
 603

Solid case: 492 Perf case: Not Reported

Use: UNU Use year: 81

Init water: 25.6 Init head: 25.6

 Init chlor:
 124
 Init cl:
 124.00000

Test date: Not Reported Test gpm: 12

Test ddown:Not ReportedTest chlor:Not ReportedTest temp:Not ReportedTemp unit:Not ReportedPump gpm:Not ReportedDraft mgy:Not ReportedHead feet:26.0Max chlor:270

 Head feet:
 26.0
 Max chlor:
 270

 Min chlor:
 55
 Geology:
 QLS

 Pump yr:
 Not Reported
 Draft yr:
 76

Head yr: Not Reported Maxchl: Not Reported

Site id:

Maxchl yr: 0 Minchl: Not Reported Minchl yr: 0 Bot hole: -588 Bot solid: -477 Bot perf: Not Reported Not Reported Not Reported Spec capac: Pump mgd: Not Reported 30103 Draft mgd: Aquifer: Tmk: 1-5-028:041 Old aqui: Not Reported Aqui code: 30103 Latest hd: 26.00000 Not Reported Cur head: Not Reported Cur cl: Not Reported 01/02/1900 Cur temp: Wcr: Pir: Not Reported Surveyor: Not Reported Not Reported T: Pump elev: Not Reported

Not Reported

Pump depth:

#### AREA RADON INFORMATION

Federal EPA Radon Zone for HONOLULU County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 96819

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	-0.475 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	0.050 pCi/L	100%	0%	0%

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **LOCAL / REGIONAL WATER AGENCY RECORDS**

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Well Index Database

Source: Department of Land and Natural Resources

Telephone: 808-587-0214

CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii

#### OTHER STATE DATABASE INFORMATION

#### RADON

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**EPA Radon Zones** 

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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